

162. (previously presented) The method of claim 46, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

163. (previously presented) The method of claim 61, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

164. (previously presented) The method of claim 1, further including the step of communicating a user image from one member in the group to another member in the group.

165. (currently amended) A method of using a computer system to distribute communication over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet;

receiving an authenticated user identity from a first of the participator computers;

receiving an authenticated user identity from a second of the participator computers;

using participator software respectively on the participator computers to enable the communication, including at least one of a video, graphic, sound, or multimedia;

communicating a message including text or ascii, and a pointer, from the first participator computer to said controller computer and from said controller computer to the second participator computer; and

using said pointer to receive the communication from the first of the participator computers at the second of the participator computers in real time over the Internet network.

166. (previously presented) The method of claim 165, further including the step of:

determining a user's age corresponding to said user identity.

167. (currently amended) The method of claim 165, wherein the step of using is carried out with said communication including said video.

168. (currently amended) The method of claim 166, wherein the step of using is carried out with said communication including said video.

169. (previously presented) The method of claim 165, further including the step of forming a chat channel over the Internet network, and arbitrating channel communications between said participator computers at said controller computer.

170. (currently amended) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a controller computer with a plurality of participator computers, said connecting including connecting at least one of the plurality of participator computers with the controller computer through the Internet network;

receiving a log in name and a password, respectively from each of said participator computers;

respectively storing a set of privileges corresponding to each of said user identities, the set including a privilege to receive non-textual communication; and

determining which of the participator computers can communicate to an other of the participator computers over the Internet network in real time, in accordance with the corresponding privilege, at least one of a video, a graphic, or a pointer-triggered message that is

receivable on demand.

171. (currently amended) The method of claim 165, wherein said step of using is carried out with said communication including said sound.

172. (currently amended) The method of claim 165, wherein said step of using is carried out with said communication including said sound and said video.

173. (currently amended) The method of claim 166, wherein said step of using is carried out with said communication including said sound.

174. (currently amended) The method of claim 166, wherein said step of using is carried out with said communication including said sound and said video.

175. (currently amended) The method of claim 165, further including the step of sending the communication as an out of band communication.

176. (previously presented) The method of claim 166, further including the step of: communicating an asynchronous communication from said controller computer to one of said participator computers.

177. (previously presented) The method of claim 165, further including the step of: communicating an asynchronous communication from said controller computer to one of said participator computers.

178. (previously presented) The method of claim 170, further including the step of:

communicating an asynchronous communication from said controller computer to one of said participator computers.

179. (previously presented) The method of claim 5, further including the step of: communicating a user image from one member in the group to another member in the group.

180. (previously presented) The method of claim 6, further including the step of: communicating a user image from one member in the group to another member in the group.

181. (previously presented) The method of claim 10, further including the step of: communicating a user image from one member in the group to another member in the group.

182. (previously presented) The method of claim 23, further including the step of: communicating a user image from one member in the group to another member in the group.

183. (previously presented) The method of claim 1, further including the step of: communicating an asynchronous communication from said controller computer to one of said participator computers.

184. (previously presented) The method of claim 1, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

185. (previously presented) The method of claim 2, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

186. (previously presented) The method of claim 3, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

187. (previously presented) The method of claim 4, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

188. (previously presented) The method of claim 5, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

189. (previously presented) The method of claim 6, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

190. (previously presented) The method of claim 7, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

191. (previously presented) The method of claim 8, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

192. (previously presented) The method of claim 9, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

193. (previously presented) The method of claim 10, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

194. (previously presented) The method of claim 11, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

195. (previously presented) The method of claim 12, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

196. (previously presented) The method of claim 13, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

197. (previously presented) The method of claim 14, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

198. (previously presented) The method of claim 15, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

199. (previously presented) The method of claim 16, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

200. (previously presented) The method of claim 17, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

201. (previously presented) The method of claim 18, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

202. (previously presented) The method of claim 19, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

203. (previously presented) The method of claim 20, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

204. (previously presented) The method of claim 21, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

205. (previously presented) The method of claim 22, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

206. (previously presented) The method of claim 23, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

207. (previously presented) The method of claim 24, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

208. (previously presented) The method of claim 25, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

209. (previously presented) The method of claim 26, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

210. (previously presented) The method of claim 27, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

211. (previously presented) The method of claim 28, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

212. (previously presented) The method of claim 29, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

213. (previously presented) The method of claim 30, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

214. (previously presented) The method of claim 31, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

215. (previously presented) The method of claim 32, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

216. (previously presented) The method of claim 1, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

217. (previously presented) The method of claim 2, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

218. (previously presented) The method of claim 3, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

219. (previously presented) The method of claim 4, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

220. (previously presented) The method of claim 5, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

221. (previously presented) The method of claim 6, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

222. (previously presented) The method of claim 7, wherein the step of

arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

223. (previously presented) The method of claim 8, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

224. (previously presented) The method of claim 9, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

225. (previously presented) The method of claim 10, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

226. (previously presented) The method of claim 11, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

227. (previously presented) The method of claim 12, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

228. (previously presented) The method of claim 13, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

229. (previously presented) The method of claim 14, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

230. (previously presented) The method of claim 15, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

231. (previously presented) The method of claim 16, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

232. (previously presented) The method of claim 17, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

233. (previously presented) The method of claim 18, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

234. (previously presented) The method of claim 19, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

235. (previously presented) The method of claim 20, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

236. (previously presented) The method of claim 21, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

237. (previously presented) The method of claim 22, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

238. (previously presented) The method of claim 23, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

239. (previously presented) The method of claim 24, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

240. (previously presented) The method of claim 25, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

241. (previously presented) The method of claim 26, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

242. (previously presented) The method of claim 27, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

243. (previously presented) The method of claim 28, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

244. (previously presented) The method of claim 29, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

245. (previously presented) The method of claim 30, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

246. (previously presented) The method of claim 31, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

247. (previously presented) The method of claim 32, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

248. (previously presented) The method of claim 1, wherein the step of

arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

249. (previously presented) The method of claim 2, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

250. (previously presented) The method of claim 3, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

251. (previously presented) The method of claim 4, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

252. (previously presented) The method of claim 5, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

253. (previously presented) The method of claim 6, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

254. (previously presented) The method of claim 7, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

255. (previously presented) The method of claim 8, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

256. (previously presented) The method of claim 9, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

257. (previously presented) The method of claim 10, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

258. (previously presented) The method of claim 11, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said

controller computer, between some of the group.

259. (previously presented) The method of claim 12, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

260. (previously presented) The method of claim 13, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

261. (previously presented) The method of claim 14, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

262. (previously presented) The method of claim 15, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

263. (previously presented) The method of claim 16, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

264. (previously presented) The method of claim 17, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

265. (previously presented) The method of claim 18, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

266. (previously presented) The method of claim 19, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

267. (previously presented) The method of claim 20, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

268. (previously presented) The method of claim 21, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

269. (previously presented) The method of claim 22, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

270. (previously presented) The method of claim 23, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

271. (previously presented) The method of claim 24, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

272. (previously presented) The method of claim 25, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

273. (previously presented) The method of claim 26, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

274. (previously presented) The method of claim 27, wherein the step of

arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

275. (previously presented) The method of claim 28, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

276. (previously presented) The method of claim 29, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

277. (previously presented) The method of claim 30, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

278. (previously presented) The method of claim 31, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

279. (previously presented) The method of claim 32, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

280. (previously presented) The method of claim 170, further including the step of:

determining a user's age corresponding to said user identity.

281. (previously presented) The method of claim 170, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

282. (previously presented) The method of claim 170, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

283. (previously presented) The method of claim 170, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

284. (previously presented) The method of claim 170, further including the step of:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

285. (previously presented) The method of claim 33, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

286. (previously presented) The method of claim 34, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

287. (previously presented) The method of claim 35, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

288. (previously presented) The method of claim 36, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

289. (previously presented) The method of claim 37, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

290. (previously presented) The method of claim 38, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

291. (previously presented) The method of claim 39, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

292. (previously presented) The method of claim 40, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

293. (previously presented) The method of claim 41, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

294. (previously presented) The method of claim 42, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

295. (previously presented) The method of claim 43, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

296. (previously presented) The method of claim 44, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

297. (previously presented) The method of claim 45, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

298. (previously presented) The method of claim 46, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

299. (previously presented) The method of claim 47, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

300. (previously presented) The method of claim 48, wherein the step of

arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

301. (previously presented) The method of claim 49, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

302. (previously presented) The method of claim 50, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

303. (previously presented) The method of claim 51, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

304. (previously presented) The method of claim 52, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

305. (previously presented) The method of claim 53, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

306. (previously presented) The method of claim 54, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

307. (previously presented) The method of claim 55, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

308. (previously presented) The method of claim 56, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

309. (previously presented) The method of claim 57, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

310. (previously presented) The method of claim 58, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of

computers.

311. (previously presented) The method of claim 59, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

312. (previously presented) The method of claim 60, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

313. (previously presented) The method of claim 61, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

314. (previously presented) The method of claim 62, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

315. (previously presented) The method of claim 63, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

316. (previously presented) The method of claim 33, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

317. (previously presented) The method of claim 34, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

318. (previously presented) The method of claim 35, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

319. (previously presented) The method of claim 36, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

320. (previously presented) The method of claim 37, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

321. (previously presented) The method of claim 38, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

322. (previously presented) The method of claim 39, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

323. (previously presented) The method of claim 40, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

324. (previously presented) The method of claim 41, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

325. (previously presented) The method of claim 42, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

326. (previously presented) The method of claim 43, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

327. (previously presented) The method of claim 44, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

328. (previously presented) The method of claim 45, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

329. (previously presented) The method of claim 46, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

330. (previously presented) The method of claim 47, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

331. (previously presented) The method of claim 48, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

332. (previously presented) The method of claim 49, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

333. (previously presented) The method of claim 50, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

334. (previously presented) The method of claim 51, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

335. (previously presented) The method of claim 52, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

336. (previously presented) The method of claim 53, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

337. (previously presented) The method of claim 54, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

338. (previously presented) The method of claim 55, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

339. (previously presented) The method of claim 56, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

340. (previously presented) The method of claim 57, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

341. (previously presented) The method of claim 58, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

342. (previously presented) The method of claim 59, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

343. (previously presented) The method of claim 60, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

344. (previously presented) The method of claim 61, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

345. (previously presented) The method of claim 62, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

346. (previously presented) The method of claim 63, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

347. (previously presented) The method of claim 33, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

348. (previously presented) The method of claim 34, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

349. (previously presented) The method of claim 35, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

350. (previously presented) The method of claim 36, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

351. (previously presented) The method of claim 37, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

352. (previously presented) The method of claim 38, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

353. (previously presented) The method of claim 39, wherein the step of

arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

354. (previously presented) The method of claim 40, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

355. (previously presented) The method of claim 41, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

356. (previously presented) The method of claim 42, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

357. (previously presented) The method of claim 43, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

358. (previously presented) The method of claim 44, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

359. (previously presented) The method of claim 45, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

360. (previously presented) The method of claim 46, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

361. (previously presented) The method of claim 47, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

362. (previously presented) The method of claim 48, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

363. (previously presented) The method of claim 49, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

364. (previously presented) The method of claim 50, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

365. (previously presented) The method of claim 51, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

366. (previously presented) The method of claim 52, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

367. (previously presented) The method of claim 53, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

368. (previously presented) The method of claim 54, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

369. (previously presented) The method of claim 55, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

370. (previously presented) The method of claim 56, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

371. (previously presented) The method of claim 57, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

372. (previously presented) The method of claim 58, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

373. (previously presented) The method of claim 59, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

374. (previously presented) The method of claim 60, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

375. (previously presented) The method of claim 61, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

376. (previously presented) The method of claim 62, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

377. (previously presented) The method of claim 63, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

378. (previously presented) The method of claim 33, further including the step of:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

379. (previously presented) The method of claim 34, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

380. (previously presented) The method of claim 35, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

381. (previously presented) The method of claim 36, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

382. (previously presented) The method of claim 37, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

383. (previously presented) The method of claim 38, further including the step of: providing group communications capability, with said controller computer, to

handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

384. (previously presented) The method of claim 39, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

385. (previously presented) The method of claim 40, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

386. (previously presented) The method of claim 41, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

387. (previously presented) The method of claim 42, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

388. (previously presented) The method of claim 43, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

389. (previously presented) The method of claim 44, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

390. (previously presented) The method of claim 45, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

391. (previously presented) The method of claim 46, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

392. (previously presented) The method of claim 47, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

393. (previously presented) The method of claim 48, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

394. (previously presented) The method of claim 49, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

395. (previously presented) The method of claim 50, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

396. (previously presented) The method of claim 51, further including the step of: providing group communications capability, with said controller computer, to

handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

397. (previously presented) The method of claim 52, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

398. (previously presented) The method of claim 53, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

399. (previously presented) The method of claim 54, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

400. (previously presented) The method of claim 55, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

401. (previously presented) The method of claim 56, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

402. (previously presented) The method of claim 57, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

403. (previously presented) The method of claim 58, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

404. (previously presented) The method of claim 59, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

405. (previously presented) The method of claim 60, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

406. (previously presented) The method of claim 61, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

407. (previously presented) The method of claim 62, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

408. (previously presented) The method of claim 63, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

409. (currently amended) A method of using a computer system to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network;

respectively storing a log in name and a password corresponding to each of a plurality of user identities;

receiving one said log in name and one said password, respectively from each of said participator computers;

determining which of the participator computers can communicate with an other of the participator computers, wherein some communications are in real time over the Internet network; and

providing a member associated image and corresponding member identity information under control of said controller computer, respectively to some of the participator computers.

410. (previously presented) The method of claim 409, further including the step of:

determining a user's age corresponding to said user identity.

411. (previously presented) The method of claim 410, further including the step of:

communicating, with said controller computer, an asynchronous message from one of the participator computers to another of the participator computers.

412. (previously presented) The method of claim 410, further including the step of censoring, with said controller computer, unwanted communication from a member.

413. (previously presented) The method of claim 410, wherein the step of arbitrating includes distributing chat communications to a chat group real time over the Internet

network.

414. (previously presented) The method of claim 413, further including the step of providing, with said controller computer, private chat capability to the participator computers.

415. (previously presented) The method of claim 413, further including the step of providing, with said controller computer, private communication window capability to the participator computers.

416. (previously presented) The method of claim 410, further including the step of communicating, with said controller computer, human communication sound to the participator computers.

417. (previously presented) The method of claim 410, further including the step of providing, with said controller computer, video to the participator computers.

418. (previously presented) The method of claim 416, further including the step of providing, with said controller computer, video to the participator computers.

419. (previously presented) The method of claim 410, wherein the step of arbitrating is carried out with some of said communications including text.

420. (previously presented) The method of claim 410, wherein the step of arbitrating is carried out with some of said communications communicated out of band.

421. (previously presented) The method of claim 410, wherein the step of

arbitrating is carried out with some of said communications including multimedia media messages.

422. (previously presented) The method of claim 409, further including the step of controlling, with said controller computer, invisible viewing of the communications.

423. (previously presented) The method of claim 410, further including the step of controlling, with said controller computer, invisible viewing of the communications.

424. (previously presented) The method of claim 411, further including the step of controlling, with said controller computer, invisible viewing of the communications.

425. (previously presented) The method of claim 412, further including the step of controlling, with said controller computer, invisible viewing of the communications.

426. (previously presented) The method of claim 413, further including the step of controlling, with said controller computer, invisible viewing of the communications.

427. (previously presented) The method of claim 414, further including the step of controlling, with said controller computer, invisible viewing of the communications.

428. (previously presented) The method of claim 415, further including the step of controlling, with said controller computer, invisible viewing of the communications.

429. (previously presented) The method of claim 416, further including the step of controlling, with said controller computer, invisible viewing of the communications.

430. (previously presented) The method of claim 417, further including the step of controlling, with said controller computer, invisible viewing of the communications.

431. (previously presented) The method of claim 418, further including the step of controlling, with said controller computer, invisible viewing of the communications.

432. (previously presented) The method of claim 419, further including the step of controlling, with said controller computer, invisible viewing of the communications.

433. (previously presented) The method of claim 420, further including the step of controlling, with said controller computer, invisible viewing of the communications.

434. (previously presented) The method of claim 421, further including the step of controlling, with said controller computer, invisible viewing of the communications.

435. (currently amended) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to carry out the steps of:

respectively storing a set of privileges corresponding to each of said user identities, the set including a privilege to receive non-textual communication; and

determining which ones of the participator computers can form a group to communicate communications in real time over the Internet network, said communications

respectively in accordance with the corresponding privilege, the participator computers respectively enabled to send and receive said communications including at least one of a video, a graphic, graphical multimedia, or a pointer-triggered message that is receivable on demand.

436. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message.

437. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said graphic and further comprises a human communication sound.

438. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said video and said graphic.

439. (previously presented) The system of claim 435, wherein one of said communications further comprises a human communication sound.

440. (previously presented) The system of claim 435, wherein one of said communications comprises said video and further comprises a human communication sound.

441. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and further comprises a human communication sound.

442. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and further comprises a human communication sound.

443. (previously presented) The system of claim 435, wherein one of said communications further comprises a human communication sound, and wherein some of said communications include text or ascii.

444. (previously presented) The system of claim 435, wherein one of said communications comprises said video.

445. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic.

446. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message.

447. (previously presented) The system of claim 435, wherein one of said communications comprises said video, and wherein some of said communications include text or ascii.

448. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic.

449. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said pointer-triggered message.

450. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic, and wherein some of said communications include text

or ascii.

451. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic and further comprises a human communication sound.

452. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message and further comprises a human communication sound.

453. (previously presented) The system of claim 435, wherein one of said communications comprises said vide and further comprises a human communication sound, and wherein some of said communications include text or ascii.

454. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic and said pointer-triggered message and further comprises a human communication sound.

455. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications include text or ascii.

456. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic and said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications

include text or ascii.

457. (previously presented) The system of claim 435, wherein some of said communications include text or ascii.

458. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and further comprises a human communication sound, and wherein some of said communications include text or ascii.

459. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said video, and wherein some of said communications include text or ascii.

460. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message, and wherein some of said communications include text or ascii.

461. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said video, and wherein some of said communications include text or ascii.

462. (previously presented) The system of claim 435, wherein one of said communications comprises video and said graphic and further comprises a human communication sound, and wherein some of said communications include text or ascii.

463. (previously presented) The system of claim 435, wherein one of said

communications comprises said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications include text or ascii.

464. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said graphic and further comprises a human communication sound, and wherein some of said communications include text or ascii.

465. (previously presented) The system of claim 435, wherein one of said communications comprises video and said graphic and said pointer-triggered message, and wherein some of said communications include text or ascii.

466. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said pointer-triggered message, and wherein some of said communications include text or ascii.

467. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

468. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message and said graphic, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate test or ascii, to the other of the participator computers.

469. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

470. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

471. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said video, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

472. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

473. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and wherein said

controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

474. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message.

475. (currently amended) The system of claim 604, wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

476. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video, and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

477. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said graphic, and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

478. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

479. (currently amended) The system of claim 604, wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

480. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video.

481. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic.

482. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message.

483. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

484. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic.

485. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message.

486. (currently amended) The system of claim 604, wherein said step of

arbitrating is carried out with said graphic, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

487. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic, and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

488. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and said and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers .

489. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

490. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said sound and said video and said graphic and said pointer-triggered message.

491. (currently amended) The system of claim 604, wherein said step of

arbitrating is carried out with said sound and said video and said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

492. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

493. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message, and said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

494. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

495. (currently amended) The system of claim 604, wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

496. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message.

497. (currently amended) The system of claim 604, wherein said step of arbitrating is carried out with graphic, and wherein said controller computer is enabled to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

498. (currently amended) The system of claim 435, wherein said controller computer is enabled to carry out the step of:  
determining a user's age corresponding to said user identity.

499. (currently amended) The system of claim 436, wherein said controller computer is enabled to carry out the step of:  
determining a user's age corresponding to said user identity.

500. (currently amended) The system of claim 437, wherein said controller computer is enabled to carry out the step of:  
determining a user's age corresponding to said user identity.

501. (currently amended) The system of claim 438, wherein said controller computer is enabled to carry out the step of:  
determining a user's age corresponding to said user identity.

502. (currently amended) The system of claim 439, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

503. (currently amended) The system of claim 440, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

504. (currently amended) The system of claim 441, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

505. (currently amended) The system of claim 442, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

506. (currently amended) The system of claim 443, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

507. (currently amended) The system of claim 444, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

508. (currently amended) The system of claim 445, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

509. (currently amended) The system of claim 446, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

510. (currently amended) The system of claim 447, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

511. (currently amended) The system of claim 448, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

512. (currently amended) The system of claim 449, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

513. (currently amended) The system of claim 450, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

514. (currently amended) The system of claim 451, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

515. (currently amended) The system of claim 452, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

516. (currently amended) The system of claim 453, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

517. (currently amended) The system of claim 454, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

518. (currently amended) The system of claim 455, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

519. (currently amended) The system of claim 456, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

520. (currently amended) The system of claim 457, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

521. (currently amended) The system of claim 458, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

522. (currently amended) The system of claim 459, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

523. (currently amended) The system of claim 460, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

524. (currently amended) The system of claim 461, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

525. (currently amended) The system of claim 462, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

526. (currently amended) The system of claim 463, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

527. (currently amended) The system of claim 464, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

528. (currently amended) The system of claim 465, wherein said controller

computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

529. (currently amended) The system of claim 466, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

530. (currently amended) The system of claim 467, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

531. (currently amended) The system of claim 468, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

532. (currently amended) The system of claim 469, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

533. (currently amended) The system of claim 470, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

534. (currently amended) The system of claim 471, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

535. (currently amended) The system of claim 472, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

536. (currently amended) The system of claim 473, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

537. (currently amended) The system of claim 474, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

538. (currently amended) The system of claim 475, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

539. (currently amended) The system of claim 476, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

540. (currently amended) The system of claim 477, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

541. (currently amended) The system of claim 478, wherein said controller

computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

542. (currently amended) The system of claim 479, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

543. (currently amended) The system of claim 480, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

544. (currently amended) The system of claim 481, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

545. (currently amended) The system of claim 482, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

546. (currently amended) The system of claim 483, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

547. (currently amended) The system of claim 484, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

548. (currently amended) The system of claim 485, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

549. (currently amended) The system of claim 486, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

550. (currently amended) The system of claim 487, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

551. (currently amended) The system of claim 488, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

552. (currently amended) The system of claim 489, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

553. (currently amended) The system of claim 490, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

554. (currently amended) The system of claim 491, wherein said controller

computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

555. (currently amended) The system of claim 492, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

556. (currently amended) The system of claim 493, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

557. (currently amended) The system of claim 494, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

558. (currently amended) The system of claim 495, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

559. (currently amended) The system of claim 496, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

560. (currently amended) The system of claim 497, wherein said controller computer is enabled to carry out the step of:

determining a user's age corresponding to said user identity.

561. (previously presented) The system of claim 435, wherein the step of arbitrating includes authorizing a moderator for said communications.

562. (previously presented) The system of claim 436, wherein the step of arbitrating includes authorizing a moderator for said communications.

563. (currently amended) The system of claim 437, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

564. (currently amended) The system of claim 438, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

565. (currently amended) The system of claim 439, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

566. (currently amended) The system of claim 440, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

567. (currently amended) The system of claim 441, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

568. (currently amended) The system of claim 442, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

569. (currently amended) The system of claim 443, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

570. (currently amended) The system of claim 444, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

571. (currently amended) The system of claim 445, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

572. (currently amended) The system of claim 446, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

573. (currently amended) The system of claim 447, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

574. (currently amended) The system of claim 448, wherein said controller

computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

575. (currently amended) The system of claim 449, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

576. (currently amended) The system of claim 450, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

577. (currently amended) The system of claim 451, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

578. (currently amended) The system of claim 452, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

579. (currently amended) The system of claim 453, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

580. (currently amended) The system of claim 454, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

581. (currently amended) The system of claim 455, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

582. (currently amended) The system of claim 456, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

583. (currently amended) The system of claim 457, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

584. (currently amended) The system of claim 458, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

585. (currently amended) The system of claim 459, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

586. (currently amended) The system of claim 460, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

587. (currently amended) The system of claim 461, wherein the step of

arbitrating includes authorizing a moderator for said communications.

588. (currently amended) The system of claim 462, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

589. (currently amended) The system of claim 463, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

590. (currently amended) The system of claim 464, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

591. (currently amended) The system of claim 465, wherein said controller computer is enabled to carry out the step of arbitrating includes authorizing a moderator for said communications.

591. (previously presented) The system of claim 466, wherein the step of arbitrating includes authorizing a moderator for said communications.

592. (currently amended) The method of claim 165, wherein said step of using is carried out with said sound being a human communication sound.

593. (currently amended) The system of claim 604, wherein said controller computer is enabled to determine which of the participator computers can communicate a user

image to the other of the participator computers.

594. (currently amended) The system of claim 475, wherein said controller computer is enabled to determine which of the participator computers can communicate a user image to the other of the participator computers.

595. (currently amended) The system of claim 476, wherein said controller computer is enabled to determine which of the participator computers can communicate a user image to the other of the participator computers.

596. (currently amended) The system of claim 480, wherein said controller computer is enabled to determine which of the participator computers can communicate a user image to the other of the participator computers.

597. (currently amended) The system of claim 495, wherein said controller computer is enabled to determine which of the participator computers can communicate a user image to the other of the participator computers.

598. (currently amended) The system of claim 435, wherein said controller computer is enabled to carry out the step of:

communicating a user image from one member in the group to another member in the group.

599. (currently amended) A computer system distributing communication over an Internet network, the system including:

a controller computer, a first participator computer, and a second participator

computer;

participator software respectively on the participator computers to enable the communication, including at least one of a video, graphic, sound, or multimedia; wherein said computers are enabled to cooperate in carrying out the steps of:

subsequent to said participator computers respectively sending an authenticated user identity, communicating a message comprising text or ascii, and a member public data reference, from the first participator computer to said controller computer and from said controller computer to the second participator computer; and

using said member public data reference to receive the communication from the first participator computer at the second participator computer in real time over the Internet network.

600. (currently amended) The system of claim 599, wherein said controller computer is further enabled to carry out the step of:

determining a user's age corresponding to said user identity.

601. (previously presented) The system of claim 599, wherein communication includes the video.

602. (previously presented) The system of claim 600, wherein communication includes the video.

603. (currently amended) The system of claim 599, wherein said controller computer is further enabled to carry out the step of forming a chat channel over the Internet network and arbitrating channel communications between said participator computers at said controller computer.

604. (currently amended) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, at least one of said participator computers connected through the Internet network subsequent to sending a log in name and a password corresponding to a user identity wherein the controller computer is enabled to carry out the steps of:

storing a set of privileges corresponding to said user identity, the set including a privilege to receive non-textual communication; and

determining which of the participator computers can communicate to an other of the participator computers over the Internet network in real time, at least one of a video, a graphic, or a pointer-triggered message that is receivable on demand.

605. (previously presented) The system of claim 599, wherein said communication including comprises said sound.

606. (previously presented) The system of claim 599, wherein said communication comprises said sound and said video.

607. (previously presented) The system of claim 600, wherein said communication comprises said sound.

608. (previously presented) The system of claim 600, wherein said communication comprises said and said video.

609. (currently amended) The system of claim 599, wherein said controller

computer is further enabled to carry out the step of sending the communication as an out of band communication.

610. (currently amended) The system of claim 600, wherein said controller computer is further enabled to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

611. (currently amended) The system 599, wherein said controller computer is further enabled to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

612. (currently amended) The system of claim 604, wherein said controller computer is further enabled to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

613. (currently amended) The system of claim 439, wherein said controller computer is further enabled to carry out the step of communicating a user image from one member in the group to another member in the group.

614. (currently amended) The system of claim 440, wherein said controller computer is further enabled to carry out the step of communicating a user image from one member in the group to another member in the group.

615. (currently amended) The system of claim 444, wherein said controller computer is further enabled to carry out the step of communicating a user image from one member in the group to another member in the group.

616. (currently amended) The system of claim 457, wherein said controller computer is further enabled to carry out the step of communicating a user image from one member in the group to another member in the group.

617. (currently amended) The system of claim 435, wherein said controller computer is further enabled to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

618. (currently amended) The system of claim 435, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

619. (previously presented) The system of claim 436, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

620. (previously presented) The system of claim 437, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

621. (previously presented) The system of claim 438, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

622. (previously presented) The system of claim 439, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

623. (previously presented) The system of claim 440, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

624. (previously presented) The system of claim 441, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

625. (previously presented) The system of claim 442, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

626. (previously presented) The system of claim 443, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

627. (previously presented) The system of claim 444, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

628. (previously presented) The system of claim 445, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

629. (previously presented) The system of claim 446, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

630. (previously presented) The system of claim 447, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

631. (previously presented) The system of claim 448, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

632. (previously presented) The system of claim 449, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

633. (previously presented) The system of claim 450, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

634. (previously presented) The system of claim 451, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

635. (previously presented) The system of claim 452, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

636. (previously presented) The system of claim 453, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

637. (previously presented) The system of claim 454, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

638. (previously presented) The system of claim 455, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

639. (previously presented) The system of claim 456, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

640. (previously presented) The system of claim 457, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

641. (previously presented) The system of claim 458, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

642. (previously presented) The system of claim 459, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

643. (previously presented) The system of claim 460, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

644. (previously presented) The system of claim 461, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

645. (previously presented) The system of claim 462, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

646. (previously presented) The system of claim 463, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

647. (previously presented) The system of claim 464, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

648. (previously presented) The system of claim 465, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

649. (previously presented) The system of claim 466, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

650. (previously presented) The system of claim 435, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

651. (previously presented) The system of claim 436, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

652. (previously presented) The system of claim 437, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

653. (previously presented) The system of claim 438, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

654. (previously presented) The system of claim 439, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

655. (previously presented) The system of claim 440, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

656. (previously presented) The system of claim 441, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

657. (previously presented) The system of claim 442, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

658. (previously presented) The system of claim 443, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

659. (previously presented) The system of claim 444, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

660. (previously presented) The system of claim 445, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

661. (previously presented) The system of claim 446, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

662. (previously presented) The system of claim 447, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

663. (previously presented) The system of claim 448, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

664. (previously presented) The system of claim 449, wherein the step of

arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

665. (previously presented) The system of claim 450, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

666. (previously presented) The system of claim 451, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

667. (previously presented) The system of claim 452, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

668. (previously presented) The system of claim 453, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

669. (previously presented) The system of claim 454, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

670. (previously presented) The system of claim 455, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

671. (previously presented) The system of claim 456, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

672. (previously presented) The system of claim 457, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

673. (previously presented) The system of claim 458, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

674. (previously presented) The system of claim 459, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

675. (previously presented) The system of claim 460, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

676. (previously presented) The system of claim 461, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

677. (previously presented) The system of claim 462, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

678. (previously presented) The system of claim 463, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

679. (previously presented) The system of claim 464, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

680. (previously presented) The system of claim 465, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

681. (previously presented) The system of claim 466, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

682. (previously presented) The system of claim 435, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

683. (previously presented) The system of claim 436, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

684. (previously presented) The system of claim 437, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

685. (previously presented) The system of claim 438, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

686. (previously presented) The system of claim 439, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

687. (previously presented) The system of claim 440, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

688. (previously presented) The system of claim 441, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

689. (previously presented) The system of claim 442, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

690. (previously presented) The system of claim 443, wherein the step of

arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

691. (previously presented) The system of claim 444, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

692. (previously presented) The system of claim 445, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

693. (previously presented) The system of claim 446, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

694. (previously presented) The system of claim 447, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

695. (previously presented) The system of claim 448, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

696. (previously presented) The system of claim 449, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

697. (previously presented) The system of claim 450, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

698. (previously presented) The system of claim 451, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

699. (previously presented) The system of claim 452, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

700. (previously presented) The system of claim 453, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said

controller computer, between some of the group.

701. (previously presented) The system of claim 454, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

702. (previously presented) The system of claim 455, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

703. (previously presented) The system of claim 456, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

704. (previously presented) The system of claim 457, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

705. (previously presented) The system of claim 458, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

706. (previously presented) The system of claim 459, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

707. (previously presented) The system of claim 460, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

708. (previously presented) The system of claim 461, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

709. (previously presented) The system of claim 462, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

710. (previously presented) The system of claim 463, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

711. (previously presented) The system of claim 464, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

712. (previously presented) The system of claim 465, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

713. (previously presented) The system of claim 466, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

714. (currently amended) The system of claim 604, wherein said controller computer is further enabled to carry out the step of:

determining a user's age corresponding to said user identity.

715. (previously presented) The system of claim 604, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

716. (previously presented) The system of claim 604, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and

content.

717. (previously presented) The system of claim 604, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

718. (previously presented) The system of claim 604, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

719. (previously presented) The system of claim 467, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

720. (previously presented) The system of claim 468, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

721. (previously presented) The system of claim 469, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

722. (previously presented) The system of claim 470, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

723. (previously presented) The system of claim 471, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

724. (previously presented) The system of claim 472, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

725. (previously presented) The system of claim 473, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

726. (previously presented) The system of claim 474, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of

computers.

727. (previously presented) The system of claim 475, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

728. (previously presented) The system of claim 476, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

729. (previously presented) The system of claim 477, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

730. (previously presented) The system of claim 478, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

731. (previously presented) The system of claim 479, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

732. (previously presented) The system of claim 480, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

733. (previously presented) The system of claim 481, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

734. (previously presented) The system of claim 482, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

735. (previously presented) The system of claim 483, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

736. (previously presented) The system of claim 484, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

737. (previously presented) The system of claim 485, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

738. (previously presented) The system of claim 486, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

739. (previously presented) The system of claim 487, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

740. (previously presented) The system of claim 488, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

741. (previously presented) The system of claim 489, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

742. (previously presented) The system of claim 490, wherein the step of

arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

743. (previously presented) The system of claim 491, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

744. (previously presented) The system of claim 492, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

745. (previously presented) The system of claim 493, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

746. (previously presented) The system of claim 494, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

747. (previously presented) The system of claim 495, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

748. (previously presented) The system of claim 496, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

749. (previously presented) The system of claim 497, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

750. (previously presented) The system of claim 467, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

751. (previously presented) The system of claim 468, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

752. (previously presented) The system of claim 469, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

753. (previously presented) The system of claim 470, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

754. (previously presented) The system of claim 471, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

755. (previously presented) The system of claim 472, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

756. (previously presented) The system of claim 473, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

757. (previously presented) The system of claim 474, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

758. (previously presented) The system of claim 475, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

759. (previously presented) The system of claim 476, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

760. (previously presented) The system of claim 477, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

761. (previously presented) The system of claim 478, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

762. (previously presented) The system of claim 479, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

763. (previously presented) The system of claim 480, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

764. (previously presented) The system of claim 481, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

765. (previously presented) The system of claim 482, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

766. (previously presented) The system of claim 483, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

767. (previously presented) The system of claim 484, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

768. (previously presented) The system of claim 485, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

769. (previously presented) The system of claim 486, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

770. (previously presented) The system of claim 487, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

771. (previously presented) The system of claim 488, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

772. (previously presented) The system of claim 489, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

773. (previously presented) The system of claim 490, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

774. (previously presented) The system of claim 491, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

775. (previously presented) The system of claim 492, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

776. (previously presented) The system of claim 493, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

777. (previously presented) The system of claim 494, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

778. (previously presented) The system of claim 495, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

779. (previously presented) The system of claim 496, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

780. (previously presented) The system of claim 497, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

781. (previously presented) The system of claim 467, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

782. (previously presented) The system of claim 468, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

783. (previously presented) The system of claim 469, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

784. (previously presented) The system of claim 470, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

785. (previously presented) The system of claim 471, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

786. (previously presented) The system of claim 472, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

787. (previously presented) The system of claim 473, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

788. (previously presented) The system of claim 474, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

789. (previously presented) The system of claim 475, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

790. (previously presented) The system of claim 476, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

791. (previously presented) The system of claim 477, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

792. (previously presented) The system of claim 478, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

793. (previously presented) The system of claim 479, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

794. (previously presented) The system of claim 480, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

795. (previously presented) The system of claim 481, wherein the step of

arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

796. (previously presented) The system of claim 482, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

797. (previously presented) The system of claim 483, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

798. (previously presented) The system of claim 484, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

799. (previously presented) The system of claim 485, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

800. (previously presented) The system of claim 486, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

801. (previously presented) The system of claim 487, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

802. (previously presented) The system of claim 488, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

803. (previously presented) The system of claim 489, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

804. (previously presented) The system of claim 490, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

805. (previously presented) The system of claim 491, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

806. (previously presented) The system of claim 492, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

807. (previously presented) The system of claim 493, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

808. (previously presented) The system of claim 494, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

809. (previously presented) The system of claim 495, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

810. (previously presented) The system of claim 496, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

811. (previously presented) The system of claim 497, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

812. (previously presented) The system of claim 467, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

813. (previously presented) The system of claim 468, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

814. (previously presented) The system of claim 469, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

815. (previously presented) The system of claim 470, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

816. (previously presented) The system of claim 471, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

817. (previously presented) The system of claim 472, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

818. (previously presented) The system of claim 473, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the

plurality of computers, said group communications capability including private communication window capability.

819. (previously presented) The system of claim 474, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

820. (previously presented) The system of claim 475, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

821. (previously presented) The system of claim 476, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

822. (previously presented) The system of claim 477, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

823. (previously presented) The system of claim 478, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

824. (previously presented) The system of claim 479, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

825. (previously presented) The system of claim 480, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

826. (previously presented) The system of claim 481, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

827. (previously presented) The system of claim 482, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

828. (previously presented) The system of claim 483, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

829. (previously presented) The system of claim 484, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

830. (previously presented) The system of claim 485, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

831. (previously presented) The system of claim 486, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

832. (previously presented) The system of claim 487, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

833. (previously presented) The system of claim 488, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to

handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

834. (previously presented) The system of claim 489, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

835. (previously presented) The system of claim 490, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

836. (previously presented) The system of claim 491, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

837. (previously presented) The system of claim 492, wherein the step of

arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

838. (previously presented) The system of claim 493, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

839. (previously presented) The system of claim 494, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

840. (previously presented) The system of claim 495, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

841. (previously presented) The system of claim 496, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

842. (previously presented) The system of claim 497, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

843. (currently amended) A system using a computer system to distribute communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password, wherein:

the controller computer is enabled to carry out the steps of:

respectively storing the log in name and the password corresponding to each of a plurality of user identities;

determining which of the participator computers can communicate with an other of the participator computers, wherein some of the communications are in real time over the Internet network; and

providing a member associated image and corresponding member identity information under control of said controller computer, respectively to some of the participator computers.

844. (currently amended) The system of claim 843, wherein the controller computer is further enabled to carry out the step of:

determining a user's age corresponding to said user identity.

845. (currently amended) The system of claim 844, wherein the controller computer is further enabled to carry out the step of:

communicating an asynchronous message from one of the participator computers to another of the participator computers.

846. (currently amended) The system of claim 844, wherein the controller computer is further enabled to carry out the step of censoring unwanted communication from a member.

847. (currently amended) The system of claim 844, wherein the step of arbitrating includes distributing chat communications to a chat group real time over the Internet network.

848. (currently amended) The system of claim 847, wherein the controller computer is further enabled to carry out the step of providing private chat capability to the participator computers.

849. (currently amended) The system of claim 847, wherein the controller

computer is further enabled to carry out the step of providing private communication window capability to the participator computers.

850. (currently amended) The system of claim 844, wherein the controller computer is further enabled to carry out the step of communicating human communication sound to the participator computers.

851. (currently amended) The system of claim 844, wherein the controller computer is further enabled to carry out the step of providing video to the participator computers.

852. (currently amended) The system of claim 850, wherein the controller computer is further enabled to carry out the step of providing video to the participator computers.

853. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications including text.

854. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications communicated out of band.

855. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications are multimedia media messages.

856. (currently amended) The system of claim 843, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the

communications.

857. (currently amended) The system of claim 844, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

858. (currently amended) The system of claim 845, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

859. (currently amended) The system of claim 846, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

860. (currently amended) The system of claim 847, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

861. (currently amended) The system of claim 848, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

862. (currently amended) The system of claim 849, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

863. (currently amended) The system of claim 850, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

864. (currently amended) The system of claim 851, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

865. (currently amended) The system of claim 852, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

866. (currently amended) The system of claim 853, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

867. (currently amended) The system of claim 854, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

868. (currently amended) The system of claim 855, wherein the controller computer is further enabled to carry out the step of controlling invisible viewing of the communications.

869. (previously presented) The method of claim 1, wherein receiving said communications includes causing presentation of some of said communications by one of said

participator computers in said group.

870. (currently amended) The system of claim 435, wherein one of said participator computers in said group is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

871. (currently amended) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to control real time Internet communication by using a control database storing for each said user identity a respective authorization corresponding to communicating multimedia.

872. (currently amended) The system of claim 871, wherein one of said participator computers is enabled to carry out the step of receiving, including causing presentation, of some of said communications.

873. (previously presented) The system of claim 872, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

874. (previously presented) The system of claim 871, wherein said authorization for communicating multimedia includes an authorization for communicating

graphical multimedia.

875. (previously presented) The system of claim 872, wherein said authorization for communicating multimedia includes an authorization for communicating graphical multimedia.

876. (currently amended) A method of using a computer to control communication, the method including the steps of:

connecting a plurality of participator computers with a controller computer through an Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to control real time communication between the participator computers by storing for each a respective authorization corresponding to communicating graphical multimedia used in the controlling.

877. (currently amended) A system using a computer to control communication, the system including:

a plurality of participator computers connected with a controller computer through an Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to carry out the steps of:

controlling real time communication between the participator computers, and storing for each said user identity a respective authorization to communicate corresponding to communicating graphical multimedia used in the controlling.

878. (currently amended) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a set of privileges corresponding to a user identity;

connecting a plurality of participator computers with the controller computer through the Internet network;

receiving a login name and password corresponding to the user identity, from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, graphic, graphical multimedia, or a pointer-triggered message that is receivable on demand;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

879. (previously presented) The method of claim 878, further including a human communication sound as said type of message.

880. (previously presented) The method of claim 878, further including the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

881. (previously presented) The method of claim 878, wherein the type of message is graphical multimedia.

882. (previously presented) The method of claim 878, wherein the type of message is video.

883. (previously presented) The method of claim 878, wherein the type of message is graphic.

884. (currently amended) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a set of privileges corresponding to a user identity;

connecting a plurality of participator computers with the controller computer through the Internet network;

receiving a login name and password corresponding to the user identity, from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including human communication sound;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to

communicate the type of message another of the plurality of participator computers.

885. (currently amended) A system controlling real-time communications over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each at least one of said participator computers connected to the controller computer subsequent to sending a log in name and a password corresponding to a user identity; and

wherein the controller computer is enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, graphic, graphical multimedia, or a pointer-triggered message that is receivable on demand;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

886. (previously presented) The method of claim 885, further including a human communication sound as said type of message.

887. (previously presented) The method of claim 885, wherein said steps further include the step of sending a denial message to the first participator computer of said

participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

888. (previously presented) The method of claim 885, wherein the type of message is graphical multimedia.

889. (previously presented) The method of claim 885, wherein the type of message is video.

890. (previously presented) The method of claim 885, wherein the type of message is graphic

891. (currently amended) A system controlling real-time communications over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, at least one of said participator computers connected to the controller computer subsequent to sending a log in name and a password corresponding to a user identity; and

wherein the controller computer is enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

892. (currently amended) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network;

receiving a log in name and a password corresponding to a user identity, respectively from each of said participator computers;

respectively storing a set of privileges corresponding to each of said user identities, the set including a privilege to receive non-textual communication;

determining which ones of the participator computers can form a group to send and receive communications, said communications respectively in accordance with the corresponding privilege; and

sending and receiving said communications in real time over the Internet network between said participator computers in said group, one of said communications including a human communication sound.

893. (currently amended) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a controller computer with a plurality of participator computers, said connecting including connecting at least one of the plurality of participator computers with the controller computer through the Internet network;

receiving a log in name and a password corresponding to a user identity, respectively from each of said participator computers;

respectively storing a set of privileges corresponding to each of said user identities, the set including a privilege to receive non-textual communication; and determining, from said privilege, which of the participator computers can communicate human communication sound in real time.

894. (currently amended) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, at least one of said participator computers connected to the controller computer subsequent to sending a log in name and a password corresponding to a user identity, the controller computer enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity, the set including a privilege to receive non-textual communication; and

determining which ones of the participator computers can form a group to communicate communications in real time over the Internet network, said communications respectively in accordance with the corresponding privilege, wherein one of said communications includes human communication sound.

895. (currently amended) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, at least one of said participator computers connected to the controller computer through the Internet network, subsequent to sending a log in name and a password corresponding to a user identity; wherein:

the controller computer is enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity, the set including a

privilege to receive non-textual communication; and

determining, from said privilege, which of the participator computers can communicate human communication sound to an other of the participator computers over the Internet network in real time.

896. (currently amended) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to control real time Internet communication between said users by using a control database storing for each said user identity a respective authorization for communicating human communication sound in some of said communications.

897. (currently amended) The system of claim 896, wherein one of said participator computers is enabled to carry out the step of receiving, including causing presentation, of some of said communications.

898. (previously presented) The system of claim 896, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

899. (previously presented) The system of claim 897, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

900. (previously presented) The system of claim 897, wherein some of said

communications include graphical multimedia.

901. (currently amended) A method of using a computer to control communication, the method including the steps of:

- connecting a plurality of participator computers with a controller computer through an Internet network;
- receiving, respectively, a log in name and a password corresponding to a user identity from each of said participator computers;
- enabling the controller computer to carry out the step of controlling real time communication between the participator computers by storing for each said user identity a respective authorization to communicate human communication sound, the authorization used in the controlling.

902. (currently amended) A system using a computer to control communication, the system including:

- a plurality of participator computers connected with a controller computer through an Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to carry out the steps of:
  - controlling real time communication between the participator computers, and
  - storing for each said user identity a respective authorization to communicate human communication sound, the authorization used in the controlling.

903. (currently amended) A system controlling real-time communications over an Internet network, the system including:

- a plurality of participator computers connected with a controller computer, at least

one of said participator computers being connected to the controller computer through the Internet network, said participator computers including a first computer connected to the controller computer subsequent to sending a log in name and a password corresponding to a user identity; and

a controller computer enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity;

determining whether the set of privileges corresponding to the user identity

includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

904. (previously presented) The system of claim 903, further including human communication sound as said type of message.

905. (previously presented) The system of claim 903, wherein said steps further include the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

906. (previously presented) The system of claim 903, wherein the type of

message is graphical multimedia.

907. (previously presented) The system of claim 903, wherein the type of message is video.

908. (previously presented) The system of claim 903, wherein the type of message is graphic.

909. (currently amended) A system of controlling real-time communications over an Internet network, the system including:

plurality of participator computers connected with a controller computer, at least one of said participator computers being connected to the controller computer through the Internet network, said participator computers including a first computer connected to the controller computer subsequent to sending a log in name and a password corresponding to a user identity; and

wherein the controller computer is enabled to carry out the steps of:

storing a set of privileges corresponding to the user identity;

determining whether the set of privileges corresponding to the user identity

includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

910. (currently amended) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a set of privileges corresponding to a user identity;

connecting a plurality of participator computers with the controller computer, at least one of the participator computers being connected with the controller computer through the Internet;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

911. (previously presented) The method of claim 910, further including a human communication sound as said type of message.

912. (previously presented) The method of claim 910, further including the step of sending a denial message to the first participator computer of said participator computers if

the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

913. (previously presented) The method of claim 910, wherein the type of message is graphical multimedia.

914. (previously presented) The method of claim 910, wherein the type of message is video.

915. (previously presented) The method of claim 910, wherein the type of message is graphic.

916. (currently amended) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a set of privileges corresponding to a user identity;

connecting a plurality of participator computers with the controller computer, at least one of said participator computers being connected with the controller computer through the Internet network;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes the privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate

the type of message to another of the plurality of participator computers; and

if the set of privileges does not include the privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

917. (currently amended) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, wherein at least one of said participator computers is connected with said controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to control real time Internet communication between said users by using a control database storing each said user identity, the user identity having a respective authorization for communicating human communication sound in some of said communications.

918. (currently amended) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer respectively connected to the controller computer subsequent to sending a respective log in name and a password corresponding to a user identity, the controller computer enabled to control real time Internet communication between said users by using a control database storing for each said user identity a respective authorization for communicating human communication sound in some of said communications.

919. (previously presented) The system of claim 600, wherein said sound is comprised of a human communication sound.

920. (currently amended) The system of claim 170, wherein one of said participator computers in said group is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

921. (currently amended) The system of claim 409, wherein one of said participator computers in said group is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

922. (currently amended) The system of claim 604, wherein one of said participator computers in said group is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

923. (currently amended) The system of claim 843, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

924. (previously presented) The system of claim 600, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

925. (previously presented) The system of claim 876, further including the step

of receiving some of said communications, said receiving including causing presentation of some of said communications.

926. (currently amended) The system of claim 877, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

927. (currently amended) The system of claim 878, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

928. (previously presented) The system of claim 884, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

929. (currently amended) The system of claim 885, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

930. (currently amended) The system of claim 891, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

931. (previously presented) The system of claim 892, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

932. (previously presented) The system of claim 893, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

933. (currently amended) The system of claim 894, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

934. (currently amended) The system of claim 895, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

935. (currently amended) The method of claim 166, wherein said step of using is carried out with said sound comprising a human communication sound.

936. (previously presented) The system of claim 901, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

937. (currently amended) The system of claim 902, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

938. (currently amended) The system of claim 903, wherein one of said

participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

939. (previously presented) The system of claim 599, wherein said sound is comprised of a human communication sound.

940. (currently amended) The system of claim 909, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

941. (currently amended) The system of claim 910, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

942. (previously presented) The system of claim 916, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

943. (currently amended) The system of claim 917, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

944. (currently amended) The system of claim 918, wherein one of said participator computers is enabled to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

945. (previously presented) The method of claim 170, wherein the step of connecting is carried out with the plurality of participator computers from more than an audience of a particular internet service provider.

946. (previously presented) The system of claim 435, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

947. (previously presented) The method of claim 893, wherein the step of connecting is carried out with the plurality of participator computers from more than an audience of a particular internet service provider.

948. (previously presented) The system of claim 895, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

949. (previously presented) An Internet communication system, the system including:

at least one controller computer;

two or more participator computers, each said computer taking part in the communication system, each said participator computer connected to an input device and an output device, the input device receiving input information from a respective user, the output device presenting messages, each said user having a user identity identifying the user;

a communication path between said at least one controller computer and each said participator computer, a portion of the communication path passing through or by way of the Internet;

computer software running on said at least one controller computer regulating steps including:

deciding whether a participator computer can be a member in one of a number of communication channels, each said communication channel allowing communication between two or more of the participator computers by way of said at least one controller computer, said deciding performed in accordance with previously defined criteria, said criteria including examining whether a particular user identity is authorized to access the communication system; delivering user messages according to the previously defined criteria in real time between receipt and delivery of the messages by said at least one controller computer so as to allow the user to access the user messages substantially instantaneously; and

wherein at least some of the user messages are comprised of two or more data types from a group including text, audio, graphics, images, and video or comprised of a URL text that points to at least one additional data type other than text.

950. (previously presented) The system of claim 949, wherein at least one of said user messages includes an address that instructs any of the participator computers to locate another media type upon action by one of the users.

951. (previously presented) The system of claim 949, wherein at least one of said user messages includes an address that commands any of the participator computers to locate an additional message and present the additional message at a respective output device.

952. (previously presented) The system of claim 949, wherein said deciding performed in accordance with previously defined criteria is carried out with said criteria including examining a password in connection with one of said user identities.

953. (previously presented) A method employing computer devices to make

decisions and distribute communication, the method including the steps of:

establishing a communication path between at least one controller computer and each of a plurality of participator computers, the communication path passing through or by way of an Internet network, each of said computer taking part in a system, each of said communicator computers respectively connected to an input device and an output device, each of said input devices receiving input information from a respective user of the system, each of the respective output devices presenting user messages, each said user having a user identity identifying the user;

programming the at least one controller computer to direct communication of user messages from one or more of the participator computers to one or more other of the participator computers;

deciding with the at least one controller computer whether a participator computer can be a member in one of a number of communication channels, each said communication channel allowing communication between two or more of the participator computers by way of the at least one controller computer, said deciding performed according to previously defined criteria, the criteria including an examination of whether a particular user identity is authorized to access the system;

delivering the user messages according to the previously defined criteria in real time between receipt and delivery of the messages by said at least one controller computer so as to allow the user to access the user messages substantially instantaneously; and

wherein at least some of the user messages are comprised of two or more data types from a group including text, audio, graphics, images, and video or comprised of a URL text that points to at least one additional data type other than text.

954. (previously presented) The method of claim 953, wherein said step of delivering includes delivering an address or URL of an additional user message and computer

instructions that require at least one of the participator computers to locate the additional user message at the address or URL.

955. (new) The system of claim 599, wherein said member public data reference is a URL.

956. (new) The system of claim 599, wherein said member public data reference is a pointer.

957. (new) The method of claim 1, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

958. (new) The method of claim 170, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

959. (new) The method of claim 409, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

960. (new) The method of claim 876, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network

without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

961. (new) The method of claim 878, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

962. (new) The method of claim 884, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

963. (new) The method of claim 892, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

964. (new) The method of claim 893, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

965. (new) The method of claim 910, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet

network, and obtaining the respective user identity over the Internet network.

966. (new) The method of claim 916, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

967. (new) The method of claim 953, wherein said step of connecting is carried out by at least one of the participator computers connecting to the Internet network without any version of participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

968. (new) The method of claim 165, wherein said step of connecting is carried out is carried out by at least one of the participator computers connecting to the Internet network without any version of the participator software, receiving the participator software over the Internet network, and obtaining the respective user identity over the Internet network.

969. (new) The method of claim 1, further including the step of assigning a temporary moderator authorization corresponding one of the user identities being in the group.

970. (new) The method of claim 170, further including the step of assigning a temporary moderator authorization corresponding one of the user identities being in the group.

971. (new) The system of claim 871, wherein the control database includes a content control used in the controlling.

972. (new) The system of claim 599, wherein said member public data reference is a URL.

973. (new) The system of claim 599, wherein said member public data reference is a pointer.

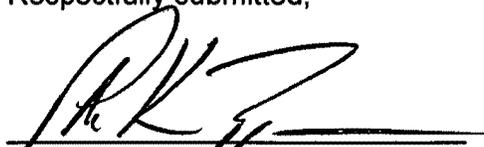
## II. Conclusion

Respectfully, the application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefore. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: June 9, 2005

  
Peter K. Trzyna  
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Chicago, Illinois 60680-7131

(312) 240-0824



I hereby certify that this correspondence is being filed by hand delivery to Examiner P. Winder, Group Art Unit 2145, and addressed to Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

PATENT

Paper No.

File: AIS-P99-1

By *P. K. Trzyna*  
Peter K. Trzyna (Reg. No. 32,601)

Date June 9, 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

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Honorable Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. This Information Disclosure Statement accompanies two separate Form 1449 citations, one is 7 pages long, and the other is 2 pages long. A copy of each citation is enclosed herewith.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure

Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

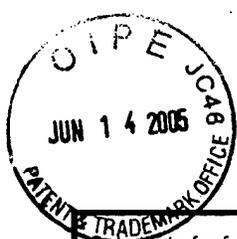
Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,

Date: June 9, 2005

  
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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/399,578
Sheet	1	of	2	First Named Inventor	Marks, Daniel L.
				Group Art Unit	2155
				Examiner Name	Winder, Patrice L.
				Attorney Docket Number	ALS-P1-99

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	5,008,853	04/16/91	Bly, et al.	
	A2	5,659,692	08/19/97	Poggie, et al.	
	A3	4,525,779	06/25/85	Davids, et al.	
	A4	5,528,671	06/18/96	Ryu, et al.	
	A5				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	A6					
	A7					

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A8	Rules for IRC networking – Ratified July 6th 1994; Edited June 29th by #EU-Opers
	A9	Internet Relay Chat FAQ
	A10	IRC – Internet Relay Chat, doc/MANUAL; Copyright 1990, Karl Kleinpaste
	A11	Undemet IRC FAQ (Part I) (updated 28th July 1995) – Weekly Report
	A12	Undemet IRC FAQ (Part II) (updated 28th July 1995) – Weekly Report
	A13	A short IRC primer; Edition 1.1b, February 28, 1993
	A14	Internet Relay Chat Protocol; J. Oikarinen, D. Reed; May 1993
	A15	Alta Vista: Simple Query +cu-seeme +history;
	A16	Mac OS CU-SeeMe Change History README file
	A17	GIF Image 627x324 pixtels
	A18	NetSpeak Information Server (IS);
	A19	WebPhone Gateway eXchange Server (WGX)
	A20	WebPhone@ 3.1
	A21	NetSpeak Servers
	A22	NetSpeak Corporation – Corporate Overview

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/399,578
		Filing Date	09/20/1999
<i>(use as many sheets as necessary)</i>		First Named Inventor	2155
		Group Art Unit	2155
Sheet 2 Of 2		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	MS-P1-99

<b>OTHER ART -- NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A23	NETSPEAK CORPORATION INTRODUCES WEBPHONE, INDUSTRY'S FIRST INTERNET-BASED TELEPHONE SOLUTION FOR BUSINESS USERS
	A24	NetSpeak Network Component Architecture (NCA) Overview
	A25	Electropolis: Communication and Community On Internet Relay Chat; Elizabeth M. Reid 1991
	A26	CU-SeeMe, Updated: Thursday 21 December 1995
	A27	CU-SeeMe Tech-Toys

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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		<i>Art Unit</i>	2155
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		<i>Attorney Docket Number</i>	
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<i>(Use as many sheets as necessary)</i>			

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	A21	REAL TIME GROUPWARE ON THE INFORMATION HIGHWAY, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A22	REAL TIME GROUPWARE AS A DISTRIBUTED SYSTEM: CONCURRENTLY CONTROL AND ITS EFFECT ON THE THE INTERFACE, Saul Greenberg and David Marwood, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A23	A GROUPWARE ENVIRONMENT FOR COMPLETE MEETINGS, Ted O'Grady and Saul Greenberg, The University of Calgary, Alberta Canada (1992)	
	A24	GROUP KIT A GROUPWARE TOOLKIT FOR BUILDING REAL-TIME CONFERENCING APPLICATIONS, Mark Roseman and Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, CSCW 92 Proceedings (1992)	
	A25	ISSUES AND EXPERIENCES DESIGNING AND IMPLEMENTING TWO GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, David Webster and Ralph Bohnet, Department of Computer Science, University of Calgary, Alberta Canada (1992)	
	A26	LIVEWARE: A NEW APPROACH TO SHARING DATA IN SOCIAL NETWORKS, Ian H. Witten, Computer Science, University of Calgary, Canada, Harold W. Thimbleby, Computing Science, Stirling University, Stirling, Scotland, UK, George Coulouris, Queen Mary and Westfield Collete, London, Saul Greenberg, Computer Science, University of Calgary, Calgary, Canada (Received 1 May 1990 and accepted in revised form 1 August 1990)	
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	A28	THE WORLD WIDE WEB UNLEASHED, John December and Neil Randall, SAMS Publishing, Indianapolis, IN, (1994)	
	A29	PLATO: THE EMERGENCE OF ON-LINE COMMUNITY, Copyright 1994 by David R. Woolley, Matrix News, Vol. 4, No. 1, (1994)	
	A30	GTALK OWNERS MANUAL, David W. Jeske (1995)	
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Sheet	3	of	7
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A33	PROCEEDINGS OF THE SEVENTH SYSTEMS ADMINISTRATION CONFERENCE (LISA VII), Monterey, CA, USENIX Association, (1993) (One Page)	
A34	ROLE-PLAYING & ADVENTURE DUNGEONS & DRAGONS, Net Games, p. 67	
A35	THE HISTORY OF NWN, Neverwinter Nights Archive (1991-1997), netgames™ YOUR GUIDE TO THE GAMES PEOPLE PLAY ON THE ELECTRONIC HIGHWAY, A Michael Wolf Book, Kelly Maloni, Derek Baker and Nathaniel Wice	
A36	BAUDY TALES FROM THE CYBURBS: A GUIDE TO ON-LINE GAMES, (includes related articles on UseNet Message Groups and Suggested reading (Evaluation) (Software Review), Full Text: COPYRIGHT 1994 zdnet, Computer Gaming World, v 123 (1994)	
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A39	QUILT: A COLLABORATIVE TOOL FOR COOPERATIVE WRITING, Robert S. Fish, Robert E. Kraut, Mary D. P. Leland, Bell Communications Research, Michael Cohen, University of Washington, ACM (1988)	
A40	RFC 1459 INTERNET RELAY CHAT PROTOCOL, J. Oikarinen, D. Reed (1993)	
A41	WSCRAWL 2.0: A SHARED WHITEBOARD BASED ON X-WINDOWS, Brian Wilson	
A42	GROUPWARE FOR REAL-TIME DRAWING - A DESIGNER'S GUIDE, Saul Greenberg, Stephen Hayne, Roy Rada, McGraw-Hill Book Company, Berkshire, England (1995)	
A43	COLLABORATIVE DOCUMENT PRODUCTION USING QUILT, Mary D.P. Leland, Robert S. Fish and Robert E. Kraut, Bell Communications Research, Inc, Morristown, NJ ACM (1988)	
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A45	SOFTWARE ARCHITECTURE FOR INTEGRATION OF VIDEO SERVICES IN THE ETHERPHONE SYSTEM, P. Venkat Rangan, Member, IEEE, and Daniel C. Swinehart, Member, IEEE (1991)	
A46	MULTIMEDIA CONFERENCING IN THE ETHERPHONE ENVIRONMENT, Harrick V. Vin, Polle T. Zellweger, Daniel C. Swinehart, and P. Venkat Rangan, Xerox Palo Alto Research Center, (1991)	
A47	TOOLS FOR SUPPORTING THE COLLABORATIVE PROCESS, James R. Rhyne, Catherine G. Wolf, IBM Thomas J. Watson Research Center, Yorktown Heights, NY, UIST (1992)	
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Examiner Signature	Date Considered
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		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
<i>(Use as many sheets as necessary)</i>		Attorney Docket Number	
Sheet	4	of	7

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	A49	COLLABORATION IN KMS, A SHARED HYPERMEDIA SYSTEM, Elise Yoder, Robert Aksyn, Donald McCracken, Knowledge Systems Incorporated, Murrysville, PA, ACM (1989)	
	A50	THE RENDEZVOUSD ARCHITECTURE AND LANGUAGE FOR CONSTRUCTING MULTIUSER APPLICATIONS, Ralph D. Hill, Tom Brinck, Steven Rohall, John F. Patterson and Wayne Wilner, ACM Transactions on Computer-Human Interaction, Vol. 1, No. 2 (1994)	
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	A52	BUILDING REAL-TIME GROUPWARE WITH GROUPKIT, A GROUPWARE TOOLKIT, Mark Roseman and Saul Greenberg, University of Calgary, ACM Transactions on Computer-Human Interaction, Vol. 3, No. 1, (1996)	
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	A54	SPECIAL ISSUE ON CSCW: PART 1, HUMAN AND TECHNICAL FACTORS OF DISTRIBUTED GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, Dave Webster and Ralph Bohnet, Interacting With Computers, Vol. 4, No. 3 (1992)	
	A55	DESIGN OF A MULTI-MEDIA VEHICALE FOR SOCIAL BROWSING, Robert W. Root, Bell Communications Research, NJ, ACM (1988)	
	A56	SUPPORTING COLLABORATIVE WRITING OF HYPERDOCUMENTS IN SEPIA, Jorg M. Haake and Brian Wilson, GMD-IPSI, Federal Republic of Germany, CSCW 92 Proceedings (1992)	
	A57	FILLING HTML FORMS SIMULTANEOUSLY: COWEB-ARCHITECTURE AND FUNCTIONALITY, Stephen Jacobs, Michael Gebhardt, Stefanie Kethers, Wojtek Rzasa, RWTH Aachen, Informatik V, Fifth International World Wide Web Conference, Paris, France (May 1996)	
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Examiner Signature		Date Considered	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet 5 of 7

**Complete if Known**

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Art Unit	2155
Examiner Name	Winder, Patrice L.
Attorney Docket Number	

**NON PATENT LITERATURE DOCUMENTS**

A64	SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, SYMPOSIUM ON USER INTERFACE SOFTWARE AND TECHNOLOGY, Proceedings of the 8 <sup>th</sup> Annual ACM Symposium on User Interface and Software Technology, Pittsburgh, PA (1995)
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A66	GTALK SOURCE LICENSE AGREEMENT, David W. Jeske, 08/02/1998)
A67	ENGLEBART DOUGLAS C.: "Authorship Provisions in AUGMENT" COMPCON '84 Digest: Proceedings of the COMPCON Conference, San Francisco, CA, February 27 - March 1, 1984, pp. 465-472
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A71	FRENCH, ROBERT S ET AL: "The Zephyr Programmer's Manual" Protocol Version ZEPH0.2, April 5, 1989
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A76	SUNKAVALLY, N ET AL: "Using MIT's Athena Computing System" The Tech, Volume 119, Number 39, Thursday, September 2, 1999.
A77	TONY DELLA FERA ET AL: "Zephyr - Sephyr Notification Service" MIT Project Athena (July 1, 1988) Zephyr Notification Service
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A80	FRENCH ROBERT S.: "Zaway - tell other people via Zephyr that you aren't around" MIT Project Athena, July 1, 1988

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SignatureDate  
Considered

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A81		KURLANDER, DAVID ET AL: "Comic Chat" Proceedings of SIGGRAPH'96 (New Orleans, August 1996), Computer Graphics Proceedings, Annual Conference Series, pages 225-236, New York, 1996. ACM SIGGRAPH	
A82		Eggheads.org - Main Index, page 1 or 1	
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A84		MAES, P: "Artificial Life meets Entertainment: Interacting with Lifelike Autonomous Agents", In: Special Issue on New Horizons of Commercial and Industrial AI 38, 11 (1995) 108-114, Communications of the ACM, ACM Press.	
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A86		WALKER, JANET H. ET AL: "Using a Human Face in an Interface", ACM Human Factors in Computing Systems, April 24-28, 1994 pages 85-91.	
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A89		JULIA'S HOME PAGE, Julie, a Chatterbot (Dec. 19, 1994)	
A90		CHATTERBOTS, TINYMUDS, AND THE TURING TEST, Entering the Loebner Price Competition (Jan. 24, 1994)	
A91		ENTERTAINING AGENTS: JULIA (1993)	
A92		WHAT IS AN AGENT, ANYWAY? A SOCIOLOGICAL CASE STUDY, Leonard N. Foner, (May 1993)	
A93		SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, Mark S. Ackerman and Brian Starr, Dept. of Info. And Computer Science, Univ. of California, Irvine (Nov. 14-17, 1995) UIST '95	
A94		SOFTWARE SECRETARIES: LEARNING AND NEGOTIATING PERSONAL ASSISTANTS FOR THE DAILY OFFICE WORK, Siegfried Bocionek, Siemens AG, Munich, Germany (1994 IEEE)	
Examiner Signature		Date Considered	

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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**I. Amendment**

**A. In the specification:**

Please amend the specification as set forth below. A clean copy of the amended specification (pages 2-43) is enclosed for your convenience.

At page 6, line 23-Page 7, line 1, delete ~~FIG. 25 is an illustration of a communication, for passing a URL (Uniform Resource Locator) to channel members on a moderator pull-down screen of the present invention.~~

At page 7, line 6, delete ~~proprietary~~ and there insert property.

At page 15, line 5, delete 44.



2145  
1FW

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PATENT

Paper No.

File: AIS-P99-1

By [Signature]  
Peter K. Trzyna (Reg. No. 32,601)

Date June 10, 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

---

Honorable Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

SIR:

Transmitted herewith for filing in the above-identified patent application are the following.

1. Information Disclosure Statement (2 pages);
2. PTO Form 1449 (7 pages); and
3. PTO Form 1449 (2 pages).

The art listed on the enclosed PTO Form 1449s has been delivered to the Examiner's office at 401 Delany Street. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit

Account No. 50-0235. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Peter K. Trzyna', written over a horizontal line.

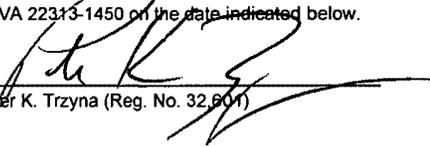
Peter K. Trzyna  
(Reg. No. 32,601)

Date: June 10, 2005

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824



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By   
Peter K. Trzyna (Reg. No. 32,601)

Date June 10, 2005

PATENT

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Group Art Unit : 2145  
Examiner : P. Winder

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Honorable Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

S I R :

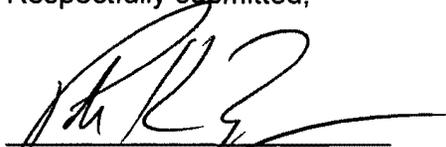
This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. This Information Disclosure Statement accompanies two separate Form 1449 citations, one is 7 pages long, and the other is 2 pages long. A copy of each citation is enclosed herewith.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that

these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

Date: June 10, 2005

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
		<b>Application Number</b>	09/399,578
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<b>Filing Date</b>	09/20/1999
		<b>First Named Inventor</b>	Marks, Daniel L.
		<b>Group Art Unit</b>	2155
		<b>Examiner Name</b>	Winder, Patrice L.
		<b>Attorney Docket Number</b>	ALS-PI-99
Sheet	1	of	2

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	5,008,853	04/16/91	Bly, et al.	
	A2	5,659,692	08/19/97	Poggie, et al.	
	A3	4,525,779	06/25/85	Davids, et al.	
	A4	5,528,671	06/18/96	Ryu, et al.	
	A5				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
	A6						
	A7						

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A9	Internet Relay Chat FAQ
	A10	IRC – Internet Relay Chat, doc/MANUAL; Copyright 1990, Karl Kleinpaste
	A11	Undemet IRC FAQ (Part I) (updated 28th July 1995) – Weekly Report
	A12	Undemet IRC FAQ (Part II) (updated 28th July 1995) – Weekly Report
	A13	A short IRC primer; Edition 1.1b, February 28, 1993
	A14	Internet Relay Chat Protocol; J. Oikarinen, D. Reed; May 1993
	A15	Alta Vista: Simple Query +cu-seeme +history;
	A16	Mac OS CU-SeeMe Change History README file
	A17	GIF Image 627x324 pixtels
	A18	NetSpeak Information Server (IS);
	A19	WebPhone Gateway eXchange Server (WGX)
	A20	WebPhone® 3.1
	A21	NetSpeak Servers
	A22	NetSpeak Corporation – Corporate Overview

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary))		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	2155
		Group Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	As-P1-99
Sheet	2	Of	2

<b>OTHER ART -- NON PATENT LITERATURE DOCUMENTS</b>		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	A23	NETSPEAK CORPORATION INTRODUCES WEBPHONE, INDUSTRY'S FIRST INTERNET-BASED TELEPHONE SOLUTION FOR BUSINESS USERS
	A24	NetSpeak Network Component Architecture (NCA) Overview
	A25	Electropolis: Communication and Community On Internet Relay Chat; Elizabeth M. Reid 1991
	A26	CU-SeeMe, Updated: Thursday 21 December 1995
	A27	CU-SeeMe Tech-Toys

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<i>Application Number</i>	09/399,578
		<i>Filing Date</i>	09/20/1999
		<i>First Named Inventor</i>	Marks, Daniel L.
		<i>Art Unit</i>	2155
		<i>Examiner Name</i>	Winder, Patrice L.
		<i>Attorney Docket Number</i>	
<i>(Use as many sheets as necessary)</i>			
Sheet	2	of	7

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A21	REAL TIME GROUPWARE ON THE INFORMATION HIGHWAY, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A22	REAL TIME GROUPWARE AS A DISTRIBUTED SYSTEM: CONCURRENTLY CONTROL AND ITS EFFECT ON THE THE INTERFACE, Saul Greenberg and David Marwood, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A23	A GROUPWARE ENVIRONMENT FOR COMPLETE MEETINGS, Ted O'Grady and Saul Greenberg, The University of Calgary, Alberta Canada (1992)	
	A24	GROUP KIT A GROUPWARE TOOLKIT FOR BUILDING REAL-TIME CONFERENCING APPLICATIONS, Mark Roseman and Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, CSCW 92 Proceedings (1992)	
	A25	ISSUES AND EXPERIENCES DESIGNING AND IMPLEMENTING TWO GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, David Webster and Ralph Bohnet, Department of Computer Science, University of Calgary, Alberta Canada (1992)	
	A26	LIVEWARE: A NEW APPROACH TO SHARING DATA IN SOCIAL NETWORKS, Ian H. Witten, Computer Science, University of Calgary, Canada, Harold W. Thimbleby, Computing Science, Stirling University, Stirling, Scotland, UK, George Coulouris, Queen Mary and Westfield Collete, London, Saul Greenberg, Computer Science, University of Calgary, Calgary, Canada (Received 1 May 1990 and accepted in revised form 1 August 1990)	
	A27	GROUPSKETCH: A MULT-USER SKETCHPAD FOR GEOGRAPHICALLY-DISTRIBUTED SMALL GROUPS, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, Ralph Bohnet, MPR TelTech Ltd., Burnaby, Canada, CSCW (1991(b))	
	A28	THE WORLD WIDE WEB UNLEASHED, John December and Neil Randall, SAMS Publishing, Indianapolis, IN, (1994)	
	A29	PLATO: THE EMERGENCE OF ON-LINE COMMUNITY, Copyright 1994 by David R. Woolley, Matrix News, Vol. 4, No. 1, (1994)	
	A30	GTALK OWNERS MANUAL, David W. Jeske (1995)	
	A31	MUDS GROW UP: SOCIAL VIRTUAL REALITY IN THE REAL WORLD; Pavel Curtis and David A. Nichols, Xerox Parc (1993)	
	A32	COLLABORATIVE NETWORKED COMMUNICATION: MUDS as Systems Tools, Remy Evard, 1993 Lisa, November 1-5, 1993.	
Examiner Signature		Date Considered	

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		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
Sheet	3	of	7

**NON PATENT LITERATURE DOCUMENTS**

A33	PROCEEDINGS OF THE SEVENTH SYSTEMS ADMINISTRATION CONFERENCE (LISA VII), Monterey, CA, USENIX Association, (1993) (One Page)
A34	ROLE-PLAYING & ADVENTURE DUNGEONS & DRAGONS, Net Games, p. 67
A35	THE HISTORY OF NWN, Neverwinter Nights Archive (1991-1997), netgames™ YOUR GUIDE TO THE GAMES PEOPLE PLAY ON THE ELECTRONIC HIGHWAY, A Michael Wolff Book, Kelly Maloni, Derek Baker and Nathaniel Wice
A36	BAUDY TALES FROM THE CYBURBS: A GUIDE TO ON-LINE GAMES, (includes related articles on UseNet Message Groups and Suggested reading (Evaluation) (Software Review), Full Text: COPYRIGHT 1994 zdnet, Computer Gaming World, v 123 (1994)
A37	AMS: Area Message Service for SLC, M. Crane, R. Mackenzie, D. Millsom, M. Zelazny, Stamford Linear Accelerator Center, Stanford University, Stanford, CA, PAC (1993)
A38	AN EXPERIMENTAL MULTI-MEDIA BRIDGING SYSTEM, E. J. Addeo, A.B. Dayao, A.D. Gelman, V.F. Massa, Bell Communications Research, Morristown, NJ, ACM (1988)
A39	QUILT: A COLLABORATIVE TOOL FOR COOPERATIVE WRITING, Robert S. Fish, Robert E. Kraut, Mary D. P. Leland, Bell Communications Research, Michael Cohen, University of Washington, ACM (1988)
A40	RFC 1459 INTERNET RELAY CHAT PROTOCOL, J. Oikarinen, D. Reed (1993)
A41	WSCRAWL 2.0: A SHARED WHITEBOARD BASED ON X-WINDOWS, Brian Wilson
A42	GROUPWARE FOR REAL-TIME DRAWING – A DESIGNER'S GUIDE, Saul Greenberg, Stephen Hayne, Roy Rada, McGraw-Hill Book Company, Berkshire, England (1995)
A43	COLLABORATIVE DOCUMENT PRODUCTION USING QUILT, Mary D.P. Leland, Robert S. Fish and Robert E. Kraut, Bell Communications Research, Inc, Morristown, NJ ACM (1988)
A44	THE RAPPORT MULTIMEDIA CONFERENCING SYSTEM, S.R. Ahuja, J. Robert Ensor and David N. Horn, AT&T Bell Laboratories, Holmdel, NJ, ACM (1988)
A45	SOFTWARE ARCHITECTURE FOR INTEGRATION OF VIDEO SERVICES IN THE ETHERPHONE SYSTEM, P. Venkat Rangan, Member, IEEE, and Daniel C. Swinehart, Member, IEEE (1991)
A46	MULTIMEDIA CONFERENCING IN THE ETHERPHONE ENVIRONMENT, Harrick V. Vin, Polle T. Zellweger, Daniel C. Swinehart, and P. Venkat Rangan, Xerox Palo Alto Research Center, (1991)
A47	TOOLS FOR SUPPORTING THE COLLABORATIVE PROCESS, James R. Rhyne, Catherine G. Wolf, IBM Thomas J. Watson Research Center, Yorktown Heights, NY, UIST (1992)
A48	SYSTEM SUPPORT FOR COMPUTER MULTIMEDIA COLLABORATIONS, Harrick M. Vin, P. Venkat Rangan, University of California at San Diego, LaJolla, CA, Mon-Song Chen, IBM T. J. Watson Research Center, Yorktown Heights, NY, CSCW 92 Proceedings (1992)

Examiner Signature		Date Considered	
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
(Use as many sheets as necessary)			
Sheet	4	of	7

NON PATENT LITERATURE DOCUMENTS			
A49	COLLABORATION IN KMS, A SHARED HYPERMEDIA SYSTEM, Elise Yoder, Robert Aksyn, Donald McCracken, Knowledge Systems Incorporated, Murrysville, PA, ACM (1989)		
A50	THE RENDEZVOUSD ARCHITECTURE AND LANGUAGE FOR CONSTRUCTING MULTIUSER APPLICATIONS, Ralph D. Hill, Tom Brinck, Steven Rohall, John F. Patterson and Wayne Wilner, ACM Transactions on Computer-Human Interaction, Vol. 1, No. 2 (1994)		
A51	COLLABORATION SUPPORT PROVISIONS IN AUGMENT, Douglas C. Engelbart, Tymshare, Inc. (1983)		
A52	BUILDING REAL-TIME GROUPWARE WITH GROUPKIT, A GROUPWARE TOOLKIT, Mark Roseman and Saul Greenberg, University of Calgary, ACM Transactions on Computer-Human Interaction, Vol. 3, No. 1, (1996)		
A53	ARCHITECTURE FOR A MULTIMEDIA TELECONFERENCING SYSTEM, L. Aguilar, J.J. Garcia-Luna-Aceves, D. Moran, E.J. Craighill, R. Brungardt, Information Services and Technology Center, SSRI International, Menlo Park, CA, ACM (1986)		
A54	SPECIAL ISSUE ON CSCW: PART 1, HUMAN AND TECHNICAL FACTORS OF DISTRIBUTED GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, Dave Webster and Ralph Bohnet, Interacting With Computers, Vol. 4, No. 3 (1992)		
A55	DESIGN OF A MULTI-MEDIA VEHICALE FOR SOCIAL BROWSING, Robert W. Root, Bell Communications Research, NJ, ACM (1988)		
A56	SUPPORTING COLLABORATIVE WRITING OF HYPERDOCUMENTS IN SEPIA, Jorg M. Haake and Brian Wilson, GMD-IPSI, Federal Republic of Germany, CSCW 92 Proceedings (1992)		
A57	FILLING HTML FORMS SIMULTANEOUSLY: COWEB-ARCHITECTURE AND FUNCTIONALITY, Stephen Jacobs, Michael Gebhardt, Stefanie Kethers, Wojtek Rzasa, RWTH Aachen, Informatik V, Fifth International World Wide Web Conference, Paris, France (May 1996)		
A58	THE WHOLE INTERNET, USER'S GUIDE & CATALOG ACADEMIC EDITION, Ed Krol, Bruce C. Klopfenstein, Ph.D., Bowling Green State University, An Imprint of Wadsworth Publishing Company		
A59	WEBCHAT 0.2 SOURCE DISTRIBUTION, e-mail from Michael Fremont, Internet Roundtable Society, dated February 10, 1995		
A60	SUPPORTING DEVELOPMENT OF SYNCHRONOUS COLLABORATION TOOLS ON THE WEB WITH GROCO, Michael Walther, Proceedings of the ERCIM workshop on CSCW and the Web, Sankt Augustin, Germany (Feb. 7-9 1996)		
A61	THE UNIVERSITY OF CALGARY, DESIGN OF REAL-TIME GROUPWARE TOOLKIT, Mark Roseman, A THESIS SUBMITTED TO THE FACULTY OF GRADUATE STUDIES IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE, Department of Computer Science, Calgary, Alberta (Feb. 1993)		
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A63	SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, Mark S. Ackerman, Brian Starr, Department of Information and Computer Science, University of California, Irvine, UIST (No. 14-17 (1995)		
Examiner Signature		Date Considered	

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	09/399,578
				Filing Date	09/20/1999
				First Named Inventor	Marks, Daniel L.
				Art Unit	2155
				Examiner Name	Winder, Patrice L.
Sheet	5	of	7	Attorney Docket Number	

NON PATENT LITERATURE DOCUMENTS		
A64	SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, SYMPOSIUM ON USER INTERFACE SOFTWARE AND TECHNOLOGY, Proceedings of the 8 <sup>th</sup> Annual ACM Symposium on User Interface and Software Technology, Pittsburgh, PA (1995)	
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A72	FERMANN, CARLA J.: "Distributed consulting in a distributed environment" New Centerings in Computing Services, Proceedings of the 18th annual ACM SIGUCCS conference on User services Cincinnati, Ohio, United States , 1990 Pages: 117-120	
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A77	TONY DELLA FERA ET AL.: "Zephyr - Sephyr Notification Service" MIT Project Athena (July 1, 1988) Zephyr Notification Service	
A78	HORUS: A FLEXIBLE GROUP COMMUNICATIONS SYSTEM, Robbert van Renesse, Kenneth P. Birman, and Silvano Maffei, Department of Computer Science, Cornell University	
A79	HORUS: A FLEXIBLE GROUP COMMUNICATIONS SYSTEM, Robbert van Renesse, Kenneth P. Birman, and Silvano Maffei, Communications of the ACN, April 1996, Volume 39, No. 4	
A80	FRENCH ROBERT S.: "Zaway - tell other people via Zephyr that you aren't around" MIT Project Athena, July 1, 1988	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		<i>Application Number</i>	09/399,578
		<i>Filing Date</i>	09/20/1999
		<i>First Named Inventor</i>	Marks, Daniel L.
		<i>Art Unit</i>	2155
		<i>Examiner Name</i>	Winder, Patrice L.
		<i>Attorney Docket Number</i>	
Sheet	6	of	7

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A92	WHAT IS AN AGENT, ANYWAY? A SOCIOLOGICAL CASE STUDY, Leonard N. Foner, (May 1993)
A93	SOCIAL ACTIVITY INDICATORS: INTERFACE COMPONENTS FOR CSCW SYSTEMS, Mark S. Ackerman and Brian Starr, Dept. of Info. And Computer Science, Univ. of California, Irvine (Nov. 14-17, 1995) UIST '95
A94	SOFTWARE SECRETARIES: LEARNING AND NEGOTIATING PERSONAL ASSISTANTS FOR THE DAILY OFFICE WORK, Siegfried Bocioneck, Siemens AG, Munich, Germany (1994 IEEE)
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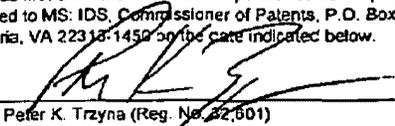
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PATENT

Paper No.

File: AIS-P99-1

By   
Peter K. Trzyna (Reg. No. 32,601)

Date June 10, 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

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S I R :

Transmitted herewith for filing in the above-identified patent application are the following.

1. Information Disclosure Statement (2 pages);
2. PTO Form 1449 (7 pages); and
3. PTO Form 1449 (2 pages).

The art listed on the enclosed PTO Form 1449s has been delivered to the Examiner's office at 401 Delany Street. The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit

09/399,578

Account No. 50-0235. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: June 10, 2005

  
Peter K. Trzyna  
(Reg. No. 32,601)

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

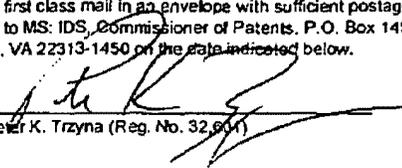
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Group Art Unit	:	2145
Examiner	:	P. Winder

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INFORMATION DISCLOSURE STATEMENT

SIR:

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. This Information Disclosure Statement accompanies two separate Form 1449 citations, one is 7 pages long, and the other is 2 pages long. A copy of each citation is enclosed herewith.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that

09/399,578

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Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

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		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
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		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	ALS-PI-99
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Examiner Initial*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	5,008,853	04/16/91	Bly, et al.	
	A2	5,659,692	08/19/97	Poggie, et al.	
	A3	4,525,779	06/25/85	Davids, et al.	
	A4	5,528,671	06/18/96	Ryu, et al.	
	A5				

FOREIGN PATENT DOCUMENTS							
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	A9	Internet Relay Chat FAQ
	A10	IRC - Internet Relay Chat, doc/MANUAL; Copyright 1990, Karl Kleinpaste
	A11	Undemet IRC FAQ (Part I) (updated 28th July 1995) - Weekly Report
	A12	Undemet IRC FAQ (Part II) (updated 28th July 1995) - Weekly Report
	A13	A short IRC primer; Edition 1.1b, February 28, 1993
	A14	Internet Relay Chat Protocol; J. Oikarinen, D. Reed; May 1993
	A15	Alta Vista: Simple Query +cu-seeme +history;
	A16	Mac OS CU-SeeMe Change History README file
	A17	GIF Image 627x324 pixels
	A18	NetSpeak Information Server (IS);
	A19	WebPhone Gateway eXchange Server (WGX)
	A20	WebPhone@ 3.1
	A21	NetSpeak Servers
	A22	NetSpeak Corporation - Corporate Overview

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		Filing Date	09/20/1999
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	A24	NetSpeak Network Component Architecture (NCA) Overview
	A25	Electropolis: Communication and Community On Internet Relay Chat; Elizabeth M. Reid 1991
	A26	CU-SeeMe, Updated: Thursday 21 December 1995
	A27	CU-SeeMe Tech-Toys

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		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
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	A21	REAL TIME GROUPWARE ON THE INFORMATION HIGHWAY, Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A22	REAL TIME GROUPWARE AS A DISTRIBUTED SYSTEM: CONCURRENTLY CONTROL AND ITS EFFECT ON THE THE INTERFACE, Saul Greenberg and David Marwood, Department of Computer Science, University of Calgary, Alberta Canada (1994)	
	A23	A GROUPWARE ENVIRONMENT FOR COMPLETE MEETINGS, Ted O'Grady and Saul Greenberg, The University of Calgary, Alberta Canada (1992)	
	A24	GROUP KIT A GROUPWARE TOOLKIT FOR BUILDING REAL-TIME CONFERENCING APPLICATIONS, Mark Roseman and Saul Greenberg, Department of Computer Science, University of Calgary, Alberta Canada, CSCW 92 Proceedings (1992)	
	A25	ISSUES AND EXPERIENCES DESIGNING AND IMPLEMENTING TWO GROUP DRAWING TOOLS, Saul Greenberg, Mark Roseman, David Webster and Ralph Bohnet, Department of Computer Science, University of Calgary, Alberta Canada (1992)	
	A26	LIVEWARE: A NEW APPROACH TO SHARING DATA IN SOCIAL NETWORKS, Ian H. Witten, Computer Science, University of Calgary, Canada, Harold W. Timbleby, Computing Science, Stirling University, Stirling, Scotland, UK, George Coulours, Queen Mary and Westfield Collete, London, Saul Greenberg, Computer Science, University of Calgary, Calgary, Canada (Received 1 May 1990 and accepted in revised form 1 August 1990)	
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	A28	THE WORLD WIDE WEB UNLEASHED, John December and Neil Randall, SAMS Publishing, Indianapolis, IN, (1994)	
	A29	PLATO: THE EMERGENCE OF ON-LINE COMMUNITY, Copyright 1994 by David R. Woolley, Matrix News, Vol. 4, No. 1, (1994)	
	A30	GTALK OWNERS MANUAL, David W. Jeske (1995)	
	A31	MUDS GROW UP: SOCIAL VIRTUAL REALITY IN THE REAL WORLD: Pavel Curtis and David A. Nichols, Xerox Parc (1993)	
	A32	COLLABORATIVE NETWORKED COMMUNICATION: MUDS as Systems Tools, Remy Evard, 1993 Lisa, November 1-5, 1993.	
Examiner Signature		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPC Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under W PO Standard ST. 15 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
(Use as many sheets as necessary)			
Sheet	3	of	7

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Examiner Signature	Date Considered
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	09/399,578
		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
Sheet	4	of	7

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		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
Sheet	5	of	7

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		Filing Date	09/20/1999
		First Named Inventor	Marks, Daniel L.
		Art Unit	2155
		Examiner Name	Winder, Patrice L.
		Attorney Docket Number	
<i>(Use as many sheets as necessary)</i>			
Sheet	6	of	7

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Examiner Signature		Date Considered	

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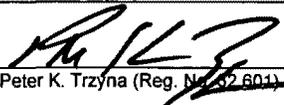
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Signed:   
 Peter K. Trzyna (Reg. No. 32,601)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor : MARKS, Daniel L.  
 Serial No. : 09/399,578  
 Filed : 09/20/1999  
 For : GROUP COMMUNICATIONS MULTIPLEXING  
 SYSTEM  
 Group Art Unit : 2145  
 Examiner : WINDER, Patrice L.

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Honorable Commissioner of Patents and Trademarks  
 Washington, D.C. 20231

**AMENDMENT AND RESPONSE**

S I R :

In response to that Office Action dated 1 December, 2004, in the above-  
 referenced patent application, please enter the following amendment and reconsider the  
 application. It is believed that no new matter has been added.

**I. Amendment**

**A. In the claims:**

Please amend claims 1 and 435, and add claims 949-954 below.

1. (currently amended) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to send and receive communications; and

sending and receiving said communications in real time over the Internet network between said participator computers in said group, some of said communications of members of the group including a respective video, graphic, or pointer-triggered message.

2. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered message.

3. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered message and said graphic and further comprising a human communication sound.

4. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered

message and said video and said graphic.

5. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications further comprising a human communication sound.

6. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and further comprising a human communication sound.

7. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic and further comprising a human communication sound.

8. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered message and further comprising a human communication sound.

9. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications further comprising a human communication sound and text or ascii.

10. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video.

11. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said graphic.

12. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said pointer-triggered message.

13. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and further comprising text or ascii.

14. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic.

15. (previously presented) The method of claim 1, wherein the steps of sending and receiving are is carried out with one of said communications comprising said graphic and said pointer-triggered message.

16. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic and further comprising text or ascii.

17. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said

graphic and further comprising a human communication sound.

18. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said pointer-triggered message and further comprising a human communication sound.

19. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising and further comprising a human communication sound and text or ascii.

20. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said graphic and said pointer-triggered message and further comprising a human communication sound.

21. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said pointer-triggered message and further comprising a human communication sound and text or ascii.

22. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said graphic and said pointer-triggered message and further comprising a human communication sound and text or ascii.

23. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications further comprising text or ascii.

24. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic and further comprising a human communication sound and text or ascii.

25. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic and said video and further comprising text or ascii.

26. (previously presented) The method of claim 1, wherein the steps of sending and receiving are is carried out with one of said communications comprising said pointer-triggered message and further comprising text or ascii.

27. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered message and said video and further comprising text or ascii.

28. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said graphic and further comprising a human communication sound and text or ascii.

29. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said pointer-triggered

message and further comprising a human communication sound and text or ascii.

30. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising and said pointer-triggered message and said graphic and further comprising a human communication sound and text or ascii.

31. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said video and said graphic and said pointer-triggered message and further comprising text or ascii.

32. (previously presented) The method of claim 1, wherein the steps of sending and receiving are carried out with one of said communications comprising said graphic and said pointer-triggered message and further comprising text or ascii.

33. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

34. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said pointer-triggered message and said graphic, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

35. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

36. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

37. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic and said video, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

38. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

39. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and further

including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

40. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message.

41. (previously presented) The method of claim 170, further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

42. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

43. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

44. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said pointer-triggered message and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

45. (previously presented) The method of claim 170, further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

46. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video.

47. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic.

48. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said pointer-triggered message.

49. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

50. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic.

51. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message.

52. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

53. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

54. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

55. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

56. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound.

57. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with ~~said sound~~ and said video and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

58. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and further including the step of arbitrating with the controller computer to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers.

59. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message and further comprising a human communication sound.

60. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said pointer-triggered message, and wherein said step of arbitrating includes arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

61. (previously presented) The method of claim 170, wherein said step of arbitrating includes arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

62. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said pointer-triggered message.

63. (previously presented) The method of claim 170, wherein said step of arbitrating is carried out with said graphic, and wherein said step of arbitrating includes arbitrating to determine which of the participator computers can communicate a human communication sound and text or ascii to the other of the participator computers ~~text or ascii~~.

64. (previously presented) The method of claim 1, further including the step of: determining a user's age corresponding to said user identity.

65. (previously presented) The method of claim 2, further including the step of: determining a user's age corresponding to said user identity.

66. (previously presented) The method of claim 3, further including the step of: determining a user's age corresponding to said user identity.

67. (previously presented) The method of claim 4, further including the step of: determining a user's age corresponding to said user identity.

68. (previously presented) The method of claim 5, further including the step of: determining a user's age corresponding to said user identity.

69. (previously presented) The method of claim 6, further including the step of: determining a user's age corresponding to said user identity.

70. (previously presented) The method of claim 7, further including the step of:  
determining a user's age corresponding to said user identity.

71. (previously presented) The method of claim 8, further including the step of:  
determining a user's age corresponding to said user identity.

72. (previously presented) The method of claim 9, further including the step of:  
determining a user's age corresponding to said user identity.

73. (previously presented) The method of claim 10, further including the step of:  
determining a user's age corresponding to said user identity.

74. (previously presented) The method of claim 11, further including the step of:  
determining a user's age corresponding to said user identity.

75. (previously presented) The method of claim 12, further including the step of:  
determining a user's age corresponding to said user identity.

76. (previously presented) The method of claim 13, further including the step of:  
determining a user's age corresponding to said user identity.

77. (previously presented) The method of claim 14, further including the step of:  
determining a user's age corresponding to said user identity.

78. (previously presented) The method of claim 15, further including the step of:  
determining a user's age corresponding to said user identity.

79. (previously presented) The method of claim 16, further including the step of:  
determining a user's age corresponding to said user identity.

80. (previously presented) The method of claim 17, further including the step of:  
determining a user's age corresponding to said user identity.

81. (previously presented) The method of claim 18, further including the step of:  
determining a user's age corresponding to said user identity.

82. (previously presented) The method of claim 19, further including the step of:  
determining a user's age corresponding to said user identity.

83. (previously presented) The method of claim 20, further including the step of:  
determining a user's age corresponding to said user identity.

84. (previously presented) The method of claim 21, further including the step of:  
determining a user's age corresponding to said user identity.

85. (previously presented) The method of claim 22, further including the step of:  
determining a user's age corresponding to said user identity.

86. (previously presented) The method of claim 23, further including the step of:  
determining a user's age corresponding to said user identity.

87. (previously presented) The method of claim 24, further including the step of:  
determining a user's age corresponding to said user identity.

88. (previously presented) The method of claim 25, further including the step of:  
determining a user's age corresponding to said user identity.

89. (previously presented) The method of claim 26, further including the step of:  
determining a user's age corresponding to said user identity.

90. (previously presented) The method of claim 27, further including the step of:  
determining a user's age corresponding to said user identity.

91. (previously presented) The method of claim 28, further including the step of:  
determining a user's age corresponding to said user identity.

92. (previously presented) The method of claim 29, further including the step of:  
determining a user's age corresponding to said user identity.

93. (previously presented) The method of claim 30, further including the step of:  
determining a user's age corresponding to said user identity.

94. (previously presented) The method of claim 31, further including the step of:

determining a user's age corresponding to said user identity.

95. (previously presented) The method of claim 32, further including the step of:  
determining a user's age corresponding to said user identity.

96. (previously presented) The method of claim 33, further including the step of:  
determining a user's age corresponding to said user identity.

97. (previously presented) The method of claim 34, further including the step of:  
determining a user's age corresponding to said user identity.

98. (previously presented) The method of claim 35, further including the step of:  
determining a user's age corresponding to said user identity.

99. (previously presented) The method of claim 36, further including the step of:  
determining a user's age corresponding to said user identity.

100. (previously presented) The method of claim 37, further including the step of:  
determining a user's age corresponding to said user identity.

101. (previously presented) The method of claim 38, further including the step of:  
determining a user's age corresponding to said user identity.

102. (previously presented) The method of claim 39, further including the step of:  
determining a user's age corresponding to said user identity.

103. (previously presented) The method of claim 40, further including the step of:  
determining a user's age corresponding to said user identity.

104. (previously presented) The method of claim 41, further including the step of:  
determining a user's age corresponding to said user identity.

105. (previously presented) The method of claim 42, further including the step of:  
determining a user's age corresponding to said user identity.

106. (previously presented) The method of claim 43, further including the step of:  
determining a user's age corresponding to said user identity.

107. (previously presented) The method of claim 44, further including the step of:  
determining a user's age corresponding to said user identity.

108. (previously presented) The method of claim 45, further including the step of:  
determining a user's age corresponding to said user identity.

109. (previously presented) The method of claim 46, further including the step of:  
determining a user's age corresponding to said user identity.

110. (previously presented) The method of claim 47, further including the step of:  
determining a user's age corresponding to said user identity.

111. (previously presented) The method of claim 48, further including the step of:  
determining a user's age corresponding to said user identity.

112. (previously presented) The method of claim 49, further including the step of:  
determining a user's age corresponding to said user identity.

113. (previously presented) The method of claim 50, further including the step of:  
determining a user's age corresponding to said user identity.

114. (previously presented) The method of claim 51, further including the step of:  
determining a user's age corresponding to said user identity.

115. (previously presented) The method of claim 52, further including the step of:  
determining a user's age corresponding to said user identity.

116. (previously presented) The method of claim 53, further including the step of:  
determining a user's age corresponding to said user identity.

117. (previously presented) The method of claim 54, further including the step of:  
determining a user's age corresponding to said user identity.

118. (previously presented) The method of claim 55, further including the step of:  
determining a user's age corresponding to said user identity.

119. (previously presented) The method of claim 56, further including the step of:

determining a user's age corresponding to said user identity.

120. (previously presented) The method of claim 57, further including the step of:  
determining a user's age corresponding to said user identity.

121. (previously presented) The method of claim 58, further including the step of:  
determining a user's age corresponding to said user identity.

122. (previously presented) The method of claim 59, further including the step of:  
determining a user's age corresponding to said user identity.

123. (previously presented) The method of claim 60, further including the step of:  
determining a user's age corresponding to said user identity.

124. (previously presented) The method of claim 61, further including the step of:  
determining a user's age corresponding to said user identity.

125. (previously presented) The method of claim 62, further including the step of:  
determining a user's age corresponding to said user identity.

126. (previously presented) The method of claim 63, further including the step of:  
determining a user's age corresponding to said user identity.

127. (previously presented) The method of claim 1, wherein the step of  
arbitrating includes authorizing a moderator for said communications.

128. (previously presented) The method of claim 2, wherein the step of arbitrating includes authorizing a moderator for said communications.

129. (previously presented) The method of claim 3, wherein the step of arbitrating includes authorizing a moderator for said communications.

130. (previously presented) The method of claim 4, wherein the step of arbitrating includes authorizing a moderator for said communications.

131. (previously presented) The method of claim 5, wherein the step of arbitrating includes authorizing a moderator for said communications.

132. (previously presented) The method of claim 6, wherein the step of arbitrating includes authorizing a moderator for said communications.

133. (previously presented) The method of claim 7, wherein the step of arbitrating includes authorizing a moderator for said communications.

134. (previously presented) The method of claim 8, wherein the step of arbitrating includes authorizing a moderator for said communications.

135. (previously presented) The method of claim 9, wherein the step of arbitrating includes authorizing a moderator for said communications.

136. (previously presented) The method of claim 10, wherein the step of arbitrating includes authorizing a moderator for said communications.

137. (currently amended) The method of claim 11, wherein the step of arbitrating includes authorizing a moderator for said communications.

138. (previously presented) The method of claim 12, wherein the step of arbitrating includes authorizing a moderator for said communications.

139. (previously presented) The method of claim 13, wherein the step of arbitrating includes authorizing a moderator for said communications.

140. (previously presented) The method of claim 14, wherein the step of arbitrating includes authorizing a moderator for said communications.

141. (previously presented) The method of claim 15, wherein the step of arbitrating includes authorizing a moderator for said communications.

142. (previously presented) The method of claim 16, wherein the step of arbitrating includes authorizing a moderator for said communications.

143. (previously presented) The method of claim 17, wherein the step of arbitrating includes authorizing a moderator for said communications.

144. (previously presented) The method of claim 18, wherein the step of

arbitrating includes authorizing a moderator for said communications.

145. (previously presented) The method of claim 19, wherein the step of arbitrating includes authorizing a moderator for said communications.

146. (previously presented) The method of claim 20, wherein the step of arbitrating includes authorizing a moderator for said communications.

147. (previously presented) The method of claim 21, wherein the step of arbitrating includes authorizing a moderator for said communications.

148. (previously presented) The method of claim 22, wherein the step of arbitrating includes authorizing a moderator for said communications.

149. (previously presented) The method of claim 23, wherein the step of arbitrating includes authorizing a moderator for said communications.

150. (previously presented) The method of claim 24, wherein the step of arbitrating includes authorizing a moderator for said communications.

151. (previously presented) The method of claim 25, wherein the step of arbitrating includes authorizing a moderator for said communications.

152. (previously presented) The method of claim 26, wherein the step of arbitrating includes authorizing a moderator for said communications.

153. (previously presented) The method of claim 27, wherein the step of arbitrating includes authorizing a moderator for said communications.

154. (previously presented) The method of claim 28, wherein the step of arbitrating includes authorizing a moderator for said communications.

155. (previously presented) The method of claim 29, wherein the step of arbitrating includes authorizing a moderator for said communications.

156. (previously presented) The method of claim 30, wherein the step of arbitrating includes authorizing a moderator for said communications.

157. (previously presented) The method of claim 31, wherein the step of arbitrating includes authorizing a moderator for said communications.

158. (previously presented) The method of claim 32, wherein the step of arbitrating includes authorizing a moderator for said communications.

159. (previously presented) The method of claim 170, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

160. (previously presented) The method of claim 41, further including the step of communicating a user image from said one of the plurality of the participator computers to

the other of the participator computers.

161. (previously presented) The method of claim 42, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

162. (previously presented) The method of claim 46, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

163. (previously presented) The method of claim 61, further including the step of communicating a user image from said one of the plurality of the participator computers to the other of the participator computers.

164. (previously presented) The method of claim 1, further including the step of:  
communicating a user image from one member in the group to another member in the group.

165. (previously presented) A method of using a computer system to distribute communication over an Internet network, the method including the steps of:

obtaining a respective authenticated user identity from a controller computer over the Internet network for respective use on each of a plurality of participator computers, each said participator computer connected to an input device and to an output device;

programming the participator computers to enable the communication, including

at least one of a video, graphic, or multimedia;

connecting said participator computers to said Internet network;

using said authenticated user identity to communicate a pointer-triggered message from one of said participator computers to said controller computer and from said controller computer to an other of said participator computers; and

using said pointer-triggered message to receive the communication at the other of said participator computers in real time over the Internet network.

166. (previously presented) The method of claim 165, further including the step of:

determining a user's age corresponding to said user identity.

167. (previously presented) The method of claim 165, wherein the step of programming is carried out with said communication including said video.

168. (previously presented) The method of claim 166, wherein the step of programming is carried out with said communication including said video.

169. (previously presented) The method of claim 165, further including the step of forming a chat channel over the Internet network, and arbitrating channel communications between said participator computers at said controller computer.

170. (previously presented) A method for using computers to communicate over an Internet network, the method including the steps of:

connecting a controller computer with a plurality of participator computers, said

connecting including connecting at least one of the plurality of participator computers with the controller computer through the Internet network, each said participator computer connected to an input device and to an output device; and

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which of the participator computers can communicate to an other of the participator computers over the Internet network in real time at least one of a video, a graphic, or a pointer-triggered message.

171. (previously presented) The method of claim 165, wherein said step of programming is carried out with said communication including said sound.

172. (previously presented) The method of claim 165, wherein said step of programming is carried out with said communication including said sound and said video.

173. (previously presented) The method of claim 166, wherein said step of programming is carried out with said communication including said sound.

174. (previously presented) The method of claim 166, wherein said step of programming is carried out with said communication including said sound and said video.

175. (previously presented) The method of claim 165, further including the step of sending the communication as an out of band communication.

176. (previously presented) The method of claim 166, further including the step of: communicating an asynchronous communication from said controller computer to

one of said participator computers.

177. (previously presented) The method of claim 165, further including the step of:  
communicating an asynchronous communication from said controller computer to  
one of said participator computers.

178. (previously presented) The method of claim 170, further including the step of:  
communicating an asynchronous communication from said controller computer to  
one of said participator computers.

179. (previously presented) The method of claim 5, further including the step of:  
communicating a user image from one member in the group to another member in  
the group.

180. (previously presented) The method of claim 6, further including the step of:  
communicating a user image from one member in the group to another member in  
the group.

181. (previously presented) The method of claim 10, further including the step of:  
communicating a user image from one member in the group to another member in  
the group.

182. (previously presented) The method of claim 23, further including the step of:  
communicating a user image from one member in the group to another member in  
the group.

183. (previously presented) The method of claim 1, further including the step of:  
communicating an asynchronous communication from said controller computer to  
one of said participator computers.

184. (previously presented) The method of claim 1, wherein the step of  
arbitrating includes censoring responsive to at least one of said user identity, group, and  
content.

185. (previously presented) The method of claim 2, wherein the step of  
arbitrating includes censoring responsive to at least one of said user identity, group, and  
content.

186. (previously presented) The method of claim 3, wherein the step of  
arbitrating includes censoring responsive to at least one of said user identity, group, and  
content.

187. (previously presented) The method of claim 4, wherein the step of  
arbitrating includes censoring responsive to at least one of said user identity, group, and  
content.

188. (previously presented) The method of claim 5, wherein the step of  
arbitrating includes censoring responsive to at least one of said user identity, group, and  
content.

189. (previously presented) The method of claim 6, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

190. (previously presented) The method of claim 7, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

191. (previously presented) The method of claim 8, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

192. (previously presented) The method of claim 9, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

193. (previously presented) The method of claim 10, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

194. (previously presented) The method of claim 11, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

195. (previously presented) The method of claim 12, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

196. (previously presented) The method of claim 13, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

197. (previously presented) The method of claim 14, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

198. (previously presented) The method of claim 15, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

199. (previously presented) The method of claim 16, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

200. (previously presented) The method of claim 17, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

201. (previously presented) The method of claim 18, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and

content.

202. (previously presented) The method of claim 19, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

203. (previously presented) The method of claim 20, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

204. (previously presented) The method of claim 21, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

205. (previously presented) The method of claim 22, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

206. (previously presented) The method of claim 23, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

207. (previously presented) The method of claim 24, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

208. (previously presented) The method of claim 25, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

209. (previously presented) The method of claim 26, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

210. (previously presented) The method of claim 27, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

211. (previously presented) The method of claim 28, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

212. (previously presented) The method of claim 29, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

213. (previously presented) The method of claim 30, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

214. (previously presented) The method of claim 31, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

215. (previously presented) The method of claim 32, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

216. (previously presented) The method of claim 1, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

217. (previously presented) The method of claim 2, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

218. (previously presented) The method of claim 3, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

219. (previously presented) The method of claim 4, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

220. (previously presented) The method of claim 5, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

221. (previously presented) The method of claim 6, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

222. (previously presented) The method of claim 7, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

223. (previously presented) The method of claim 8, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

224. (previously presented) The method of claim 9, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

225. (previously presented) The method of claim 10, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

226. (previously presented) The method of claim 11, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

227. (previously presented) The method of claim 12, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

228. (previously presented) The method of claim 13, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

229. (previously presented) The method of claim 14, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

230. (previously presented) The method of claim 15, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

231. (previously presented) The method of claim 16, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

232. (previously presented) The method of claim 17, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

233. (previously presented) The method of claim 18, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

234. (previously presented) The method of claim 19, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

235. (previously presented) The method of claim 20, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

236. (previously presented) The method of claim 21, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

237. (previously presented) The method of claim 22, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

238. (previously presented) The method of claim 23, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

239. (previously presented) The method of claim 24, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

240. (previously presented) The method of claim 25, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

241. (previously presented) The method of claim 26, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

242. (previously presented) The method of claim 27, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

243. (previously presented) The method of claim 28, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

244. (previously presented) The method of claim 29, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

245. (previously presented) The method of claim 30, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

246. (previously presented) The method of claim 31, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

247. (previously presented) The method of claim 32, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

248. (previously presented) The method of claim 1, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

249. (previously presented) The method of claim 2, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

250. (previously presented) The method of claim 3, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

251. (previously presented) The method of claim 4, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

252. (previously presented) The method of claim 5, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

253. (previously presented) The method of claim 6, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

254. (previously presented) The method of claim 7, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

255. (previously presented) The method of claim 8, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

256. (previously presented) The method of claim 9, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

257. (previously presented) The method of claim 10, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

258. (previously presented) The method of claim 11, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

259. (previously presented) The method of claim 12, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

260. (previously presented) The method of claim 13, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

261. (previously presented) The method of claim 14, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

262. (previously presented) The method of claim 15, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

263. (previously presented) The method of claim 16, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

264. (previously presented) The method of claim 17, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

265. (previously presented) The method of claim 18, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

266. (previously presented) The method of claim 19, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

267. (previously presented) The method of claim 20, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

268. (previously presented) The method of claim 21, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

269. (previously presented) The method of claim 22, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

270. (previously presented) The method of claim 23, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

271. (previously presented) The method of claim 24, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

272. (previously presented) The method of claim 25, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

273. (previously presented) The method of claim 26, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

274. (previously presented) The method of claim 27, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

275. (previously presented) The method of claim 28, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

276. (previously presented) The method of claim 29, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

277. (previously presented) The method of claim 30, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

278. (previously presented) The method of claim 31, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

279. (previously presented) The method of claim 32, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

280. (previously presented) The method of claim 170, further including the step of:

determining a user's age corresponding to said user identity.

281. (previously presented) The method of claim 170, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

282. (previously presented) The method of claim 170, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

283. (previously presented) The method of claim 170, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

284. (previously presented) The method of claim 170, further including the step of:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the

plurality of computers, said group communications capability including private communication window capability.

285. (previously presented) The method of claim 33, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

286. (previously presented) The method of claim 34, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

287. (previously presented) The method of claim 35, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

288. (previously presented) The method of claim 36, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

289. (previously presented) The method of claim 37, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

290. (previously presented) The method of claim 38, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

291. (previously presented) The method of claim 39, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

292. (previously presented) The method of claim 40, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

293. (previously presented) The method of claim 41, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

294. (previously presented) The method of claim 42, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

295. (previously presented) The method of claim 43, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

296. (previously presented) The method of claim 44, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

297. (previously presented) The method of claim 45, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

298. (previously presented) The method of claim 46, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

299. (previously presented) The method of claim 47, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

300. (previously presented) The method of claim 48, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

301. (previously presented) The method of claim 49, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

302. (previously presented) The method of claim 50, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

303. (previously presented) The method of claim 51, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

304. (previously presented) The method of claim 52, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

305. (previously presented) The method of claim 53, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

306. (previously presented) The method of claim 54, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

307. (previously presented) The method of claim 55, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

308. (previously presented) The method of claim 56, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

309. (previously presented) The method of claim 57, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

310. (previously presented) The method of claim 58, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

311. (previously presented) The method of claim 59, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

312. (previously presented) The method of claim 60, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

313. (previously presented) The method of claim 61, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

314. (previously presented) The method of claim 62, wherein the step of arbitrating includes authorizing a moderator for group communications including

communications between the one of the plurality of computers and the other of the plurality of computers.

315. (previously presented) The method of claim 63, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

316. (previously presented) The method of claim 33, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

317. (previously presented) The method of claim 34, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

318. (previously presented) The method of claim 35, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

319. (previously presented) The method of claim 36, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

320. (previously presented) The method of claim 37, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

321. (previously presented) The method of claim 38, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

322. (previously presented) The method of claim 39, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

323. (previously presented) The method of claim 40, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

324. (previously presented) The method of claim 41, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

325. (previously presented) The method of claim 42, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

326. (previously presented) The method of claim 43, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and

content.

327. (previously presented) The method of claim 44, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

328. (previously presented) The method of claim 45, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

329. (previously presented) The method of claim 46, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

330. (previously presented) The method of claim 47, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

331. (previously presented) The method of claim 48, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

332. (previously presented) The method of claim 49, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

333. (previously presented) The method of claim 50, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

334. (previously presented) The method of claim 51, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

335. (previously presented) The method of claim 52, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

336. (previously presented) The method of claim 53, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

337. (previously presented) The method of claim 54, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

338. (previously presented) The method of claim 55, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

339. (previously presented) The method of claim 56, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

340. (previously presented) The method of claim 57, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

341. (previously presented) The method of claim 58, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

342. (previously presented) The method of claim 59, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

343. (previously presented) The method of claim 60, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

344. (previously presented) The method of claim 61, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

345. (previously presented) The method of claim 62, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

346. (previously presented) The method of claim 63, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

347. (previously presented) The method of claim 33, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

348. (previously presented) The method of claim 34, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

349. (previously presented) The method of claim 35, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

350. (previously presented) The method of claim 36, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

351. (previously presented) The method of claim 37, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

352. (previously presented) The method of claim 38, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

353. (previously presented) The method of claim 39, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

354. (previously presented) The method of claim 40, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

355. (previously presented) The method of claim 41, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

356. (previously presented) The method of claim 42, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

357. (previously presented) The method of claim 43, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

358. (previously presented) The method of claim 44, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

359. (previously presented) The method of claim 45, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

360. (previously presented) The method of claim 46, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

361. (previously presented) The method of claim 47, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

362. (previously presented) The method of claim 48, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

363. (previously presented) The method of claim 49, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

364. (previously presented) The method of claim 50, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

365. (previously presented) The method of claim 51, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

366. (previously presented) The method of claim 52, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

367. (previously presented) The method of claim 53, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

368. (previously presented) The method of claim 54, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

369. (previously presented) The method of claim 55, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

370. (previously presented) The method of claim 56, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

371. (previously presented) The method of claim 57, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

372. (previously presented) The method of claim 58, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

373. (previously presented) The method of claim 59, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

374. (previously presented) The method of claim 60, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

375. (previously presented) The method of claim 61, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the

communications.

376. (previously presented) The method of claim 62, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

377. (previously presented) The method of claim 63, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

378. (previously presented)The method of claim 33, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

379. (previously presented)The method of claim 34, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

380. (previously presented)The method of claim 35, further including the step of:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

381. (previously presented) The method of claim 36, further including the step of:  
providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

382. (previously presented) The method of claim 37, further including the step of:  
providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

383. (previously presented) The method of claim 38, further including the step of:  
providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

384. (previously presented) The method of claim 39, further including the step of:  
providing group communications capability, with said controller computer, to

handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

385. (previously presented) The method of claim 40, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

386. (previously presented) The method of claim 41, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

387. (previously presented) The method of claim 42, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

388. (previously presented) The method of claim 43, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the

plurality of computers, said group communications capability including private communication window capability.

389. (previously presented) The method of claim 44, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

390. (previously presented) The method of claim 45, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

391. (previously presented) The method of claim 46, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

392. (previously presented) The method of claim 47, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

393. (previously presented) The method of claim 48, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

394. (previously presented) The method of claim 49, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

395. (previously presented) The method of claim 50, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

396. (previously presented) The method of claim 51, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

397. (previously presented) The method of claim 52, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

398. (previously presented) The method of claim 53, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

399. (previously presented) The method of claim 54, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

400. (previously presented) The method of claim 55, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

401. (previously presented) The method of claim 56, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

402. (previously presented) The method of claim 57, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

403. (previously presented) The method of claim 58, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

404. (previously presented) The method of claim 59, further including the step of:  
providing group communications capability, with said controller computer, to  
handle communications between the one of the plurality of computers and the other of the  
plurality of computers, said group communications capability including private communication  
window capability.

405. (previously presented) The method of claim 60, further including the step of:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

406. (previously presented) The method of claim 61, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

407. (previously presented) The method of claim 62, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

408. (previously presented) The method of claim 63, further including the step of: providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

409. (previously presented) A method of using a computer system to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to respectively determine which ones of the participator computers can communicate communications in real time over the Internet network; and

providing a member associated image and respective member identity information under control of said controller computer to the ones of the participator computers.

410. (previously presented) The method of claim 409, further including the step of:

determining a user's age corresponding to said user identity.

411. (previously presented) The method of claim 410, further including the step of:

communicating, with said controller computer, an asynchronous message from one of the participator computers to another of the participator computers.

412. (previously presented) The method of claim 410, further including the step of censoring, with said controller computer, unwanted communication from a member.

413. (previously presented) The method of claim 410, wherein the step of arbitrating includes distributing chat communications to a chat group real time over the Internet network.

414. (previously presented) The method of claim 413, further including the step of providing, with said controller computer, private chat capability to the participator computers.

415. (previously presented) The method of claim 413, further including the step of providing, with said controller computer, private communication window capability to the participator computers.

416. (previously presented) The method of claim 410, further including the step of communicating, with said controller computer, human communication sound to the participator computers.

417. (previously presented) The method of claim 410, further including the step of providing, with said controller computer, video to the participator computers.

418. (previously presented) The method of claim 416, further including the step of providing, with said controller computer, video to the participator computers.

419. (previously presented) The method of claim 410, wherein the step of arbitrating is carried out with some of said communications including text.

420. (previously presented) The method of claim 410, wherein the step of arbitrating is carried out with some of said communications communicated out of band.

421. (previously presented) The method of claim 410, wherein the step of

arbitrating is carried out with some of said communications including multimedia media messages.

422. (previously presented) The method of claim 409, further including the step of controlling, with said controller computer, invisible viewing of the communications.

423. (previously presented) The method of claim 410, further including the step of controlling, with said controller computer, invisible viewing of the communications.

424. (previously presented) The method of claim 411, further including the step of controlling, with said controller computer, invisible viewing of the communications.

425. (previously presented) The method of claim 412, further including the step of controlling, with said controller computer, invisible viewing of the communications.

426. (previously presented) The method of claim 413, further including the step of controlling, with said controller computer, invisible viewing of the communications.

427. (previously presented) The method of claim 414, further including the step of controlling, with said controller computer, invisible viewing of the communications.

428. (previously presented) The method of claim 415, further including the step of controlling, with said controller computer, invisible viewing of the communications.

429. (previously presented) The method of claim 416, further including the step

of controlling, with said controller computer, invisible viewing of the communications.

430. (previously presented) The method of claim 417, further including the step of controlling, with said controller computer, invisible viewing of the communications.

431. (previously presented) The method of claim 418, further including the step of controlling, with said controller computer, invisible viewing of the communications.

432. (previously presented) The method of claim 419, further including the step of controlling, with said controller computer, invisible viewing of the communications.

433. (previously presented) The method of claim 420, further including the step of controlling, with said controller computer, invisible viewing of the communications.

434. (previously presented) The method of claim 421, further including the step of controlling, with said controller computer, invisible viewing of the communications.

435. (currently amended) A system using computers to communicate over an Internet network, the system including:  
a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device, the controller computer programmed to carry out the step of arbitrating, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to communicate communications in real time over the Internet network, the participator computers respectively

programmed to send and receive ~~wherein one of~~ said communications ~~includes~~ including at least one of a video, a graphic, or a pointer-triggered message.

436. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message.

437. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said graphic and further comprises a human communication sound.

438. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said video and said graphic.

439. (previously presented) The system of claim 435, wherein one of said communications further comprises a human communication sound.

440. (previously presented) The system of claim 435, wherein one of said communications comprises said video and further comprises a human communication sound.

441. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and further comprises a human communication sound.

442. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and further comprises a human communication sound.

443. (previously presented) The system of claim 435, wherein one of said communications further comprises a human communication sound, and wherein some of said communications include text or ascii.

444. (previously presented) The system of claim 435, wherein one of said communications comprises said video.

445. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic.

446. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message.

447. (previously presented) The system of claim 435, wherein one of said communications comprises said video, and wherein some of said communications include text or ascii.

448. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic.

449. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said pointer-triggered message.

450. (previously presented) The system of claim 435, wherein one of said

communications comprises said graphic, and wherein some of said communications include text or ascii.

451. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic and further comprises a human communication sound.

452. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message and further comprises a human communication sound.

453. (previously presented) The system of claim 435, wherein one of said communications comprises said vide and further comprises a human communication sound, and wherein some of said communications include text or ascii.

454. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said graphic and said pointer-triggered message and further comprises a human communication sound.

455. (previously presented) The system of claim 435, wherein one of said communications comprises said video and said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications include text or ascii.

456. (previously presented) The system of claim 435, wherein one of said

communications comprises said video and said graphic and said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications include text or ascii.

457. (previously presented) The system of claim 435, wherein some of said communications include text or ascii.

458. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and further comprises a human communication sound, and wherein some of said communications include text or ascii.

459. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said video, and wherein some of said communications include text or ascii.

460. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message, and wherein some of said communications include text or ascii.

461. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said video, and wherein some of said communications include text or ascii.

462. (previously presented) The system of claim 435, wherein one of said communications comprises video and said graphic and further comprises a human

communication sound, and wherein some of said communications include text or ascii.

463. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and further comprises a human communication sound, and wherein some of said communications include text or ascii.

464. (previously presented) The system of claim 435, wherein one of said communications comprises said pointer-triggered message and said graphic and further comprises a human communication sound, and wherein some of said communications include text or ascii.

465. (previously presented) The system of claim 435, wherein one of said communications comprises video and said graphic and said pointer-triggered message, and wherein some of said communications include text or ascii.

466. (previously presented) The system of claim 435, wherein one of said communications comprises said graphic and said pointer-triggered message, and wherein some of said communications include text or ascii.

467. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

468. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message and said graphic, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate test or ascii, to the other of the participator computers.

469. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

470. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

471. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said video, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

472. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message,

and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

473. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

474. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message.

475. (previously presented) The system of claim 604, wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

476. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video, and said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

477. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic, and said controller computer is programmed to carry

out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

478. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

479. (previously presented) The system of claim 604, wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

480. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video.

481. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic.

482. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message.

483. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can

communicate text or ascii to the other of the participator computers.

484. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic.

485. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message.

486. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

487. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic, and said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers.

488. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said pointer-triggered message, and said and said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound to the other of the personal computers .

489. (previously presented) The system of claim 604, wherein said step of

arbitrating is carried out with said video, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

490. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said sound and said video and said graphic and said pointer-triggered message.

491. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said sound and said video and said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

492. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said video and said graphic and said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

493. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said graphic and said pointer-triggered message, and said controller computer is programmed to carry out the step of arbitrating to determine which of the

participator computers can communicate a human communication sound to the other of the personal computers.

494. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

495. (previously presented) The system of claim 604, wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate text or ascii to the other of the participator computers.

496. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with said pointer-triggered message.

497. (previously presented) The system of claim 604, wherein said step of arbitrating is carried out with graphic, and wherein said controller computer is programmed to carry out the step of arbitrating to determine which of the participator computers can communicate a human communication sound, and which of the participator computers can communicate text or ascii, to the other of the participator computers.

498. (previously presented) The system of claim 435, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

499. (previously presented) The system of claim 436, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

500. (previously presented) The system of claim 437, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

501. (previously presented) The system of claim 438, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

502. (previously presented) The system of claim 439, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

503. (previously presented) The system of claim 440, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

504. (previously presented) The system of claim 441, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

505. (previously presented) The system of claim 442, wherein said controller

computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

506. (previously presented) The system of claim 443, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

507. (previously presented) The system of claim 444, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

508. (previously presented) The system of claim 445, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

509. (previously presented) The system of claim 446, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

510. (previously presented) The system of claim 447, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

511. (previously presented) The system of claim 448, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

512. (previously presented) The system of claim 449, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

513. (previously presented) The system of claim 450, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

514. (previously presented) The system of claim 451, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

515. (previously presented) The system of claim 452, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

516. (previously presented) The system of claim 453, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

517. (previously presented) The system of claim 454, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

518. (previously presented) The system of claim 455, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

519. (previously presented) The system of claim 456, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

520. (previously presented) The system of claim 457, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

521. (previously presented) The system of claim 458, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

522. (previously presented) The system of claim 459, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

523. (previously presented) The system of claim 460, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

524. (previously presented) The system of claim 461, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

525. (previously presented) The system of claim 462, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

526. (previously presented) The system of claim 463, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

527. (previously presented) The system of claim 464, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

528. (previously presented) The system of claim 465, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

529. (previously presented) The system of claim 466, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

530. (previously presented) The system of claim 467, wherein said controller

computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

531. (previously presented) The system of claim 468, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

532. (previously presented) The system of claim 469, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

533. (previously presented) The system of claim 470, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

534. (previously presented) The system of claim 471, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

535. (previously presented) The system of claim 472, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

536. (previously presented) The system of claim 473, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

537. (previously presented) The system of claim 474, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

538. (previously presented) The system of claim 475, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

539. (previously presented) The system of claim 476, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

540. (previously presented) The system of claim 477, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

541. (previously presented) The system of claim 478, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

542. (previously presented) The system of claim 479, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

543. (previously presented) The system of claim 480, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

544. (previously presented) The system of claim 481, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

545. (previously presented) The system of claim 482, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

546. (previously presented) The system of claim 483, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

547. (previously presented) The system of claim 484, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

548. (previously presented) The system of claim 485, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

549. (previously presented) The system of claim 486, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

550. (previously presented) The system of claim 487, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

551. (previously presented) The system of claim 488, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

552. (previously presented) The system of claim 489, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

553. (previously presented) The system of claim 490, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

554. (previously presented) The system of claim 491, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

555. (previously presented) The system of claim 492, wherein said controller

computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

556. (previously presented) The system of claim 493, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

557. (previously presented) The system of claim 494, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

558. (previously presented) The system of claim 495, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

559. (previously presented) The system of claim 496, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

560. (previously presented) The system of claim 497, wherein said controller computer is programmed to carry out the step of:

determining a user's age corresponding to said user identity.

561. (previously presented) The system of claim 435, wherein the step of arbitrating includes authorizing a moderator for said communications.

562. (previously presented) The system of claim 436, wherein the step of arbitrating includes authorizing a moderator for said communications.

563. (previously presented) The system of claim 437, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

564. (previously presented) The system of claim 438, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

565. (previously presented) The system of claim 439, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

566. (previously presented) The system of claim 440, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

567. (previously presented) The system of claim 441, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

568. (previously presented) The system of claim 442, wherein said controller

computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

569. (previously presented) The system of claim 443, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

570. (previously presented) The system of claim 444, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

571. (currently amended) The system of claim 445, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

572. (previously presented) The system of claim 446, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

573. (previously presented) The system of claim 447, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

574. (previously presented) The system of claim 448, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator

for said communications.

575. (previously presented) The system of claim 449, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

576. (previously presented) The system of claim 450, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

577. (previously presented) The system of claim 451, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

578. (previously presented) The system of claim 452, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

579. (previously presented) The system of claim 453, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

580. (previously presented) The system of claim 454, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

581. (previously presented) The system of claim 455, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

582. (previously presented) The system of claim 456, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

583. (previously presented) The system of claim 457, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

584. (previously presented) The system of claim 458, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

585. (previously presented) The system of claim 459, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

586. (previously presented) The system of claim 460, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

587. (previously presented) The system of claim 461, wherein the step of arbitrating includes authorizing a moderator for said communications.

588. (previously presented) The system of claim 462, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

589. (previously presented) The system of claim 463, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

590. (previously presented) The system of claim 464, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

591. (previously presented) The system of claim 465, wherein said controller computer is programmed to carry out the step of arbitrating includes authorizing a moderator for said communications.

591. (previously presented) The system of claim 466, wherein the step of arbitrating includes authorizing a moderator for said communications.

592. (previously presented) The method of claim 165, wherein said step of programming is carried out with said sound being a human communication sound.

593. (previously presented) The system of claim 604, wherein said controller computer is programmed to determine which of the participator computers can communicate a user image to the other of the participator computers.

594. (previously presented) The system of claim 475, wherein said controller computer is programmed to determine which of the participator computers can communicate a user image to the other of the participator computers.

595. (previously presented) The system of claim 476, wherein said controller computer is programmed to determine which of the participator computers can communicate a user image to the other of the participator computers.

596. (previously presented) The system of claim 480, wherein said controller computer is programmed to determine which of the participator computers can communicate a user image to the other of the participator computers.

597. (previously presented) The system of claim 495, wherein said controller computer is programmed to determine which of the participator computers can communicate a user image to the other of the participator computers.

598. (previously presented) The system of claim 435, wherein said controller computer is programmed to carry out the step of:

communicating a user image from one member in the group to another member in the group.

599. (previously presented) A computer system distributing communication over an Internet network, the system including:

a controller computer programmed to carry out the step of obtaining a respective authenticated user identity over the Internet network, said user identity for respective use on each of a plurality of participator computers, each said participator computer connected to an input device and to an output device and connected to said Internet network, the participator computers programmed to enable the communication, including a sound, a video, a graphic, or multimedia; wherein:

said authenticated user identity is used to communicate a pointer-triggered message from one of said participator computers to said controller computer and from said controller computer to an other of said participator computers; and

said pointer-triggered message is used to receive the communication at the other of said participator computers in real time over the Internet network.

600. (previously presented) The system of claim 599, wherein said controller computer is further programmed to carry out the step of:

determining a user's age corresponding to said user identity.

601. (previously presented) The system of claim 599, wherein communication includes the video.

602. (previously presented) The system of claim 600, wherein communication includes the video.

603. (previously presented) The system of claim 599, wherein said controller

computer is further programmed to carry out the step of forming a chat channel over the Internet network and arbitrating channel communications between said participator computers at said controller computer.

604. (previously presented) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, at least one of said participator computers connected through the Internet network, each said participator computer connected to an input device and to an output device; wherein:

the controller computer is programmed to carry out the step of arbitrating, in accordance with predefined rules including a test for an authenticated user identity to determine which of the participator computers can communicate to an other of the participator computers over the Internet network in real time, at least one of a video, a graphic, or a pointer-triggered message.

605. (previously presented) The system of claim 599, wherein said communication including comprises said sound.

606. (previously presented) The system of claim 599, wherein said communication comprises said sound and said video.

607. (previously presented) The system of claim 600, wherein said communication comprises said sound.

608. (previously presented) The system of claim 600, wherein said

communication comprises said and said video.

609. (previously presented) The system of claim 599, wherein said controller computer is further programmed to carry out the step of sending the communication as an out of band communication.

610. (previously presented) The system of claim 600, wherein said controller computer is further programmed to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

611. (previously presented) The system 599, wherein said controller computer is further programmed to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

612. (previously presented) The system of claim 604, wherein said controller computer is further programmed to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

613. (previously presented) The system of claim 439, wherein said controller computer is further programmed to carry out the step of communicating a user image from one member in the group to another member in the group.

614. (previously presented) The system of claim 440, wherein said controller computer is further programmed to carry out the step of communicating a user image from one member in the group to another member in the group.

615. (previously presented) The system of claim 444, wherein said controller computer is further programmed to carry out the step of communicating a user image from one member in the group to another member in the group.

616. (previously presented) The system of claim 457, wherein said controller computer is further programmed to carry out the step of communicating a user image from one member in the group to another member in the group.

617. (previously presented) The system of claim 435, wherein said controller computer is further programmed to carry out the step of communicating an asynchronous communication from said controller computer to one of said participator computers.

618. (previously presented) The system of claim 435, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

619. (previously presented) The system of claim 436, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

620. (previously presented) The system of claim 437, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

621. (previously presented) The system of claim 438, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

622. (previously presented) The system of claim 439, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

623. (previously presented) The system of claim 440, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

624. (previously presented) The system of claim 441, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

625. (previously presented) The system of claim 442, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

626. (previously presented) The system of claim 443, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

627. (previously presented) The system of claim 444, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

628. (previously presented) The system of claim 445, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

629. (previously presented) The system of claim 446, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

630. (previously presented) The system of claim 447, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

631. (previously presented) The system of claim 448, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

632. (previously presented) The system of claim 449, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

633. (previously presented) The system of claim 450, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and

content.

634. (previously presented) The system of claim 451, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

635. (previously presented) The system of claim 452, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

636. (previously presented) The system of claim 453, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

637. (previously presented) The system of claim 454, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

638. (previously presented) The system of claim 455, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

639. (previously presented) The system of claim 456, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

640. (previously presented) The system of claim 457, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

641. (previously presented) The system of claim 458, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

642. (previously presented) The system of claim 459, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

643. (previously presented) The system of claim 460, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

644. (previously presented) The system of claim 461, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

645. (previously presented) The system of claim 462, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

646. (previously presented) The system of claim 463, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

647. (previously presented) The system of claim 464, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

648. (previously presented) The system of claim 465, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

649. (previously presented) The system of claim 466, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

650. (previously presented) The system of claim 435, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

651. (previously presented) The system of claim 436, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

652. (previously presented) The system of claim 437, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

653. (previously presented) The system of claim 438, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

654. (previously presented) The system of claim 439, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

655. (previously presented) The system of claim 440, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

656. (previously presented) The system of claim 441, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

657. (previously presented) The system of claim 442, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

658. (previously presented) The system of claim 443, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

659. (previously presented) The system of claim 444, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

660. (previously presented) The system of claim 445, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

661. (previously presented) The system of claim 446, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

662. (previously presented) The system of claim 447, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

663. (previously presented) The system of claim 448, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

664. (previously presented) The system of claim 449, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

665. (previously presented) The system of claim 450, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

666. (previously presented) The system of claim 451, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

667. (previously presented) The system of claim 452, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

668. (previously presented) The system of claim 453, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

669. (previously presented) The system of claim 454, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

670. (previously presented) The system of claim 455, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

671. (previously presented) The system of claim 456, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

672. (previously presented) The system of claim 457, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

673. (previously presented) The system of claim 458, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

674. (previously presented) The system of claim 459, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

675. (previously presented) The system of claim 460, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

676. (previously presented) The system of claim 461, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

677. (previously presented) The system of claim 462, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

678. (previously presented) The system of claim 463, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

679. (previously presented) The system of claim 464, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

680. (previously presented) The system of claim 465, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

681. (previously presented) The system of claim 466, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

682. (previously presented) The system of claim 435, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

683. (previously presented) The system of claim 436, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

684. (previously presented) The system of claim 437, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

685. (previously presented) The system of claim 438, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

686. (previously presented) The system of claim 439, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

687. (previously presented) The system of claim 440, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

688. (previously presented) The system of claim 441, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

689. (previously presented) The system of claim 442, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

690. (previously presented) The system of claim 443, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

691. (previously presented) The system of claim 444, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

692. (previously presented) The system of claim 445, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

693. (previously presented) The system of claim 446, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

694. (previously presented) The system of claim 447, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

695. (previously presented) The system of claim 448, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

696. (previously presented) The system of claim 449, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

697. (previously presented) The system of claim 450, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

698. (previously presented) The system of claim 451, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

699. (previously presented) The system of claim 452, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

700. (previously presented) The system of claim 453, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

701. (previously presented) The system of claim 454, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

702. (previously presented) The system of claim 455, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

703. (previously presented) The system of claim 456, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

704. (previously presented) The system of claim 457, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

705. (previously presented) The system of claim 458, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

706. (previously presented) The system of claim 459, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

707. (previously presented) The system of claim 460, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

708. (previously presented) The system of claim 461, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

709. (previously presented) The system of claim 462, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

710. (previously presented) The system of claim 463, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

711. (previously presented) The system of claim 464, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

712. (previously presented) The system of claim 465, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

713. (previously presented) The system of claim 466, wherein the step of arbitrating includes:

providing private, real time communication over the Internet network, with said controller computer, between some of the group.

714. (previously presented) The system of claim 604, wherein said controller computer is further programmed to carry out the step of:

determining a user's age corresponding to said user identity.

715. (previously presented) The system of claim 604, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

716. (previously presented) The system of claim 604, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

717. (previously presented) The system of claim 604, wherein the step of

arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

718. (previously presented) The system of claim 604, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

719. (previously presented) The system of claim 467, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

720. (previously presented) The system of claim 468, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

721. (previously presented) The system of claim 469, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

722. (previously presented) The system of claim 470, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

723. (previously presented) The system of claim 471, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

724. (previously presented) The system of claim 472, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

725. (previously presented) The system of claim 473, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

726. (previously presented) The system of claim 474, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

727. (previously presented) The system of claim 475, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

728. (previously presented) The system of claim 476, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

729. (previously presented) The system of claim 477, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

730. (previously presented) The system of claim 478, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

731. (previously presented) The system of claim 479, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

732. (previously presented) The system of claim 480, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

733. (previously presented) The system of claim 481, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

734. (previously presented) The system of claim 482, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

735. (previously presented) The system of claim 483, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

736. (previously presented) The system of claim 484, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

737. (previously presented) The system of claim 485, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

738. (previously presented) The system of claim 486, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

739. (previously presented) The system of claim 487, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

740. (previously presented) The system of claim 488, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

741. (previously presented) The system of claim 489, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

742. (previously presented) The system of claim 490, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

743. (previously presented) The system of claim 491, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

744. (previously presented) The system of claim 492, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

745. (previously presented) The system of claim 493, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

746. (previously presented) The system of claim 494, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

747. (previously presented) The system of claim 495, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

748. (previously presented) The system of claim 496, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

749. (previously presented) The system of claim 497, wherein the step of arbitrating includes authorizing a moderator for group communications including communications between the one of the plurality of computers and the other of the plurality of computers.

750. (previously presented) The system of claim 467, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

751. (previously presented) The system of claim 468, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

752. (previously presented) The system of claim 469, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

753. (previously presented) The system of claim 470, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

754. (previously presented) The system of claim 471, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

755. (previously presented) The system of claim 472, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

756. (previously presented) The system of claim 473, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

757. (previously presented) The system of claim 474, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

758. (previously presented) The system of claim 475, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and

content.

759. (previously presented) The system of claim 476, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

760. (previously presented) The system of claim 477, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

761. (previously presented) The system of claim 478, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

762. (previously presented) The system of claim 479, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

763. (previously presented) The system of claim 480, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

764. (previously presented) The system of claim 481, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

765. (previously presented) The system of claim 482, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

766. (previously presented) The system of claim 483, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

767. (previously presented) The system of claim 484, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

768. (previously presented) The system of claim 485, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

769. (previously presented) The system of claim 486, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

770. (previously presented) The system of claim 487, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

771. (previously presented) The system of claim 488, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

772. (previously presented) The system of claim 489, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

773. (previously presented) The system of claim 490, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

774. (previously presented) The system of claim 491, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

775. (previously presented) The system of claim 492, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

776. (previously presented) The system of claim 493, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

777. (previously presented) The system of claim 494, wherein the step of

arbitrating includes censoring responsive to at least one of said user identity, group, and content.

778. (previously presented) The system of claim 495, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

779. (previously presented) The system of claim 496, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

780. (previously presented) The system of claim 497, wherein the step of arbitrating includes censoring responsive to at least one of said user identity, group, and content.

781. (previously presented) The system of claim 467, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

782. (previously presented) The system of claim 468, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

783. (previously presented) The system of claim 469, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

784. (previously presented) The system of claim 470, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

785. (previously presented) The system of claim 471, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

786. (previously presented) The system of claim 472, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

787. (previously presented) The system of claim 473, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

788. (previously presented) The system of claim 474, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

789. (previously presented) The system of claim 475, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

790. (previously presented) The system of claim 476, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

791. (previously presented) The system of claim 477, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

792. (previously presented) The system of claim 478, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

793. (previously presented) The system of claim 479, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

794. (previously presented) The system of claim 480, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

795. (previously presented) The system of claim 481, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

796. (previously presented) The system of claim 482, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

797. (previously presented) The system of claim 483, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

798. (previously presented) The system of claim 484, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

799. (previously presented) The system of claim 485, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

800. (previously presented) The system of claim 486, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

801. (previously presented) The system of claim 487, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

802. (previously presented) The system of claim 488, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

803. (previously presented) The system of claim 489, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

804. (previously presented) The system of claim 490, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

805. (previously presented) The system of claim 491, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

806. (previously presented) The system of claim 492, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

807. (previously presented) The system of claim 493, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

808. (previously presented) The system of claim 494, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

809. (previously presented) The system of claim 495, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

810. (previously presented) The system of claim 496, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

811. (previously presented) The system of claim 497, wherein the step of arbitrating includes:

authorizing, with said controller computer, invisible viewing of some of the communications.

812. (previously presented) The system of claim 467, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

813. (previously presented) The system of claim 468, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

814. (previously presented) The system of claim 469, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

815. (previously presented) The system of claim 470, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

816. (previously presented) The system of claim 471, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

817. (previously presented) The system of claim 472, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

818. (previously presented) The system of claim 473, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

819. (previously presented) The system of claim 474, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

820. (previously presented) The system of claim 475, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

821. (previously presented) The system of claim 476, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

822. (previously presented) The system of claim 477, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

823. (previously presented) The system of claim 478, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to

handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

824. (previously presented) The system of claim 479, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

825. (previously presented) The system of claim 480, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

826. (previously presented) The system of claim 481, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

827. (previously presented) The system of claim 482, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

828. (previously presented) The system of claim 483, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

829. (previously presented) The system of claim 484, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

830. (previously presented) The system of claim 485, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the

plurality of computers, said group communications capability including private communication window capability.

831. (previously presented) The system of claim 486, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

832. (previously presented) The system of claim 487, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

833. (previously presented) The system of claim 488, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

834. (previously presented) The system of claim 489, wherein the step of

arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

835. (previously presented) The system of claim 490, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

836. (previously presented) The system of claim 491, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

837. (previously presented) The system of claim 492, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication

window capability.

838. (previously presented) The system of claim 493, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

839. (previously presented) The system of claim 494, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

840. (previously presented) The system of claim 495, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

841. (previously presented) The system of claim 496, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

842. (previously presented) The system of claim 497, wherein the step of arbitrating includes:

providing group communications capability, with said controller computer, to handle communications between the one of the plurality of computers and the other of the plurality of computers, said group communications capability including private communication window capability.

843. (previously presented) A system using a computer system to distribute communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device; wherein:

the controller computer is programmed to carry out the steps of arbitrating, in accordance with predefined rules including a test for an authenticated user identity, to respectively determine which ones of the participator computers can communicate communications in real time over the Internet network, and providing a member associated image and respective member identity information under control of said controller computer to the ones of the participator computers.

844. (previously presented) The system of claim 843, wherein the controller

computer is further programmed to carry out the step of:

determining a user's age corresponding to said user identity.

845. (previously presented) The system of claim 844, wherein the controller computer is further programmed to carry out the step of:

communicating an asynchronous message from one of the participator computers to another of the participator computers.

846. (previously presented) The system of claim 844, wherein the controller computer is further programmed to carry out the step of censoring unwanted communication from a member.

847. (previously presented) The system of claim 844, wherein the step of arbitrating includes distributing chat communications to a chat group real time over the Internet network.

848. (previously presented) The system of claim 847, wherein the controller computer is further programmed to carry out the step of providing private chat capability to the participator computers.

849. (previously presented) The system of claim 847, wherein the controller computer is further programmed to carry out the step of providing private communication window capability to the participator computers.

850. (previously presented) The system of claim 844, wherein the controller

computer is further programmed to carry out the step of communicating human communication sound to the participator computers.

851. (previously presented) The system of claim 844, wherein the controller computer is further programmed to carry out the step of providing video to the participator computers.

852. (previously presented) The system of claim 850, wherein the controller computer is further programmed to carry out the step of providing video to the participator computers.

853. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications including text.

854. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications communicated out of band.

855. (previously presented) The system of claim 844, wherein the step of arbitrating is carried out with some of said communications are multimedia media messages.

856. (previously presented) The system of claim 843, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

857. (previously presented) The system of claim 844, wherein the controller

computer is further programmed to carry out the step of controlling invisible viewing of the communications.

858. (previously presented) The system of claim 845, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

859. (previously presented) The system of claim 846, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

860. (previously presented) The system of claim 847, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

861. (previously presented) The system of claim 848, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

862. (previously presented) The system of claim 849, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

863. (previously presented) The system of claim 850, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the

communications.

864. (previously presented) The system of claim 851, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

865. (previously presented) The system of claim 852, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

866. (previously presented) The system of claim 853, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

867. (previously presented) The system of claim 854, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

868. (previously presented) The system of claim 855, wherein the controller computer is further programmed to carry out the step of controlling invisible viewing of the communications.

869. (previously presented) The method of claim 1, wherein receiving said communications includes causing presentation of some of said communications by one of said participator computers in said group.

870. (previously presented) The system of claim 435, wherein one of said participator computers in said group is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

871. (previously presented) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer connected to an input device to receive input from a user and to an output device to present communications, each said user having a user identity, the controller computer programmed to control real time Internet communication between said users by using a control database storing each said user identity, the user identity having a respective authorization for communicating multimedia in some of said communications.

872. (previously presented) The system of claim 871, wherein one of said participator computers is programmed to carry out the step of receiving, including causing presentation, of some of said communications.

873. (previously presented) The system of claim 872, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

874. (previously presented) The system of claim 871, wherein said authorization for communicating multimedia includes an authorization for communicating

graphical multimedia.

875. (previously presented) The system of claim 872, wherein said authorization for communicating multimedia includes an authorization for communicating graphical multimedia.

876. (previously presented) A method of using a computer to control communication, the method including the steps of:  
connecting a plurality of participator computers with a controller computer through an Internet network, each said participator computer connected to an input device to receive input from a respective user and to an output device to present communications, each said user having a user identity, the controller computer being programmed to carry out the step of controlling real time communication between the participator computers; and  
storing each said user identity and a respective authorization to communicate graphical multimedia for use in the controlling.

877. (previously presented) A system using a computer to control communication, the system including:  
a plurality of participator computers connected with a controller computer through an Internet network, each said participator computer connected to an input device to receive input from a respective user and to an output device to present communications, each said user having a user identity, the controller computer being programmed to carry out the steps of:  
controlling real time communication between the participator computers, and  
storing each said user identity and a respective authorization to communicate graphical

multimedia for use in the controlling.

878. (previously presented) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a user identity and a set of privileges corresponding to the user identity;

connecting a plurality of participator computers with a controller computer through the Internet network;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, a graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

879. (previously presented) The method of claim 878, further including a human communication sound as said type of message.

880. (previously presented) The method of claim 878, further including the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

881. (previously presented) The method of claim 878, wherein the type of message is graphical multimedia.

882. (previously presented) The method of claim 878, wherein the type of message is video.

883. (previously presented) The method of claim 878, wherein the type of message is graphic.

884. (previously presented) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a user identity and a set of privileges corresponding to the user identity;

connecting a plurality of participator computers with a controller computer through the Internet network;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including human communication sound;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

885. (previously presented) A system controlling real-time communications over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network; and

a controller computer programmed to carry out the steps of:

storing a user identity and a set of privileges corresponding to the user identity;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, a graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

886. (previously presented) The method of claim 885, further including a human communication sound as said type of message.

887. (previously presented) The method of claim 885, wherein said steps further include the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

888. (previously presented) The method of claim 885, wherein the type of message is graphical multimedia.

889. (previously presented) The method of claim 885, wherein the type of message is video.

890. (previously presented) The method of claim 885, wherein the type of message is graphic.

891. (previously presented) A system controlling real-time communications over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network; and

a controller computer programmed to carry out the steps of:

storing a user identity and a set of privileges corresponding to the user identity;

receiving a login name and password corresponding to the user identity from a

first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

892. (previously presented) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device;

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to send and receive communications; and

sending and receiving said communications in real time over the Internet network between said participator computers in said group, one of said communications including a human communication sound.

893. (previously presented) A method of using computers to communicate over an Internet network, the method including the steps of:

connecting a controller computer with a plurality of participator computers, said connecting including connecting at least one of the plurality of participator computers with the controller computer through the Internet network, each said participator computer connected to an input device and to an output device; and

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which of the participator computers can communicate human communication sound to an other of the participator computers over the Internet network in real time.

894. (previously presented) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device, the controller computer programmed to carry out the step of arbitrating, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to communicate communications in real time over the Internet network, wherein one of said communications includes human communication sound.

895. (previously presented) A system using computers to communicate over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, at least one of said participator computers connected through the Internet network, each said participator computer connected to an input device and to an output device; wherein:

the controller computer is programmed to carry out the step of arbitrating, in

accordance with predefined rules including a test for an authenticated user identity to determine which of the participator computers can communicate human communication sound to an other of the participator computers over the Internet network in real time.

896. (previously presented) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer through the Internet network, each said participator computer connected to an input device to receive input from a user and to an output device to present communications, each said user having a user identity, the controller computer programmed to control real time Internet communication between said users by using a control database storing each said user identity, the user identity having a respective authorization for communicating human communication sound in some of said communications.

897. (previously presented) The system of claim 896, wherein one of said participator computers is programmed to carry out the step of receiving, including causing presentation, of some of said communications.

898. (previously presented) The system of claim 896, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

899. (previously presented) The system of claim 897, wherein one of said communications includes at least one of a video, a graphic, or a pointer-triggered message.

900. (previously presented) The system of claim 897, wherein some of said

communications include graphical multimedia.

901. (previously presented) A method of using a computer to control communication, the method including the steps of:

connecting a plurality of participator computers with a controller computer through an Internet network, each said participator computer connected to an input device to receive input from a respective user and an output device to present communications, each said user having a user identity, the controller computer being programmed to carry out the step of controlling real time communication between the participator computers; and

storing each said user identity and a respective authorization to communicate human communication sound for use in the controlling.

902. (previously presented) A system using a computer to control communication, the system including:

a plurality of participator computers connected with a controller computer through an Internet network, each said participator computer connected to an input device to receive input from a respective user and to an output device to present communications, each said user having a user identity, the controller computer being programmed to carry out the steps of:

controlling real time communication between the participator computers, and storing each said user identity and a respective authorization to communicate human communication sound for use in the controlling.

903. (previously presented) A system controlling real-time communications over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, at least one of said participator computers being connected to the controller computer through the Internet network; and

a controller computer controlled by a program to carry out the steps of:

storing a user identity and a set of privileges corresponding to the user identity;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, a graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

904. (previously presented) The system of claim 903, further including human communication sound as said type of message.

905. (previously presented) The system of claim 903, wherein said steps further include the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the

type of message in real-time over the Internet network.

906. (previously presented) The system of claim 903, wherein the type of message is graphical multimedia.

907. (previously presented) The system of claim 903, wherein the type of message is video.

908. (previously presented) The system of claim 903, wherein the type of message is graphic.

909. (previously presented) A system of controlling real-time communications over an Internet network, the system including:

plurality of participator computers connected with a controller computer, at least one of said participator computers being connected to the controller computer through the Internet network; and

a controller computer controlled by a program to carry out the steps of:

storing a user identity and a set of privileges corresponding to the user identity;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate

the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

910. (previously presented) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a user identity and a set of privileges corresponding to the user identity;

connecting a plurality of participator computers with a controller computer, at least one of the participator computers being connected with the controller computer through the Internet;

receiving a login name and password corresponding to the user identity from a first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including at least one of a video, a graphic, graphical multimedia, or a pointer-triggered message;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

911. (previously presented) The method of claim 910, further including a human communication sound as said type of message.

912. (previously presented) The method of claim 910, further including the step of sending a denial message to the first participator computer of said participator computers if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network.

913. (previously presented) The method of claim 910, wherein the type of message is graphical multimedia.

914. (previously presented) The method of claim 910, wherein the type of message is video.

915. (previously presented) The method of claim 910, wherein the type of message is graphic.

916. (previously presented) A method of controlling real-time communications over an Internet network, the method including the steps of:

storing, with a controller computer, a user identity and a set of privileges corresponding to the user identity;

connecting a plurality of participator computers with a controller computer, at least one of said participator computers being connected with the controller computer through the Internet network;

receiving a login name and password corresponding to the user identity from a

first participator computer of the plurality of participator computers;

determining whether the set of privileges corresponding to the user identity includes a privilege to communicate a type of message in real-time over the Internet network, the type including a human communication sound;

if the set of privileges includes a privilege to communicate the type of message in real-time over the Internet network, allowing the first participator computer to communicate the type of message to another of the plurality of participator computers; and

if the set of privileges does not include a privilege to communicate the type of message in real-time over the Internet network, not allowing the first participator computer to communicate the type of message another of the plurality of participator computers.

917. (previously presented) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer, wherein at least one of said participator computers is connected with said controller computer through the Internet network, each said participator computer connected to an input device to receive input from a user and to an output device to present communications, each said user having a user identity, the controller computer programmed to control real time Internet communication between said users by using a control database storing each said user identity, the user identity having a respective authorization for communicating human communication sound in some of said communications.

918. (previously presented) A system to control communication over an Internet network, the system including:

a plurality of participator computers connected with a controller computer

through the Internet network, each said participator computer connected to an input device to receive input from a user and to an output device to present communications, each said user having a user identity, the controller computer programmed to control real time Internet communication between said users by using a control database storing each said user identity, the user identity having a respective authorization for communicating human communication sound in some of said communications.

919. (previously presented) The system of claim 600, wherein said sound is comprised of a human communication sound.

920. (previously presented) The system of claim 170, wherein one of said participator computers in said group is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

921. (previously presented) The system of claim 409, wherein one of said participator computers in said group is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

922. (previously presented) The system of claim 604, wherein one of said participator computers in said group is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications by one of said participator computers in said group.

923. (previously presented) The system of claim 843, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

924. (previously presented) The system of claim 600, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

925. (previously presented) The system of claim 876, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

926. (previously presented) The system of claim 877, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

927. (previously presented) The system of claim 878, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

928. (previously presented) The system of claim 884, further including the step of receiving some of said communications, said receiving including causing presentation of

some of said communications.

929. (previously presented) The system of claim 885, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

930. (previously presented) The system of claim 891, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

931. (previously presented) The system of claim 892, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

932. (previously presented) The system of claim 893, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

933. (previously presented) The system of claim 894, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

934. (previously presented) The system of claim 895, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

935. (previously presented) The method of claim 166, wherein said step of programming is carried out with said sound comprising a human communication sound.

936. (previously presented) The system of claim 901, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

937. (previously presented) The system of claim 902, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

938. (previously presented) The system of claim 903, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

939. (previously presented) The system of claim 599, wherein said sound is comprised of a human communication sound.

940. (previously presented) The system of claim 909, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

941. (previously presented) The system of claim 910, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

942. (previously presented) The system of claim 916, further including the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

943. (previously presented) The system of claim 917, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

944. (previously presented) The system of claim 918, wherein one of said participator computers is programmed to carry out the step of receiving some of said communications, said receiving including causing presentation of some of said communications.

945. (previously presented) The method of claim 170, wherein the step of connecting is carried out with the plurality of participator computers from more than an audience of a particular internet service provider.

946. (previously presented) The system of claim 435, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

947. (previously presented) The method of claim 893, wherein the step of connecting is carried out with the plurality of participator computers from more than an audience of a particular internet service provider.

948. (previously presented) The system of claim 895, wherein the plurality of participator computers are from more than an audience of a particular internet service provider.

949. (new) An Internet communication system, the system including:  
at least one controller computer;  
two or more participator computers, each said computer taking part in the communication system, each said participator computer connected to an input device and an output device, the input device receiving input information from a respective user, the output device presenting messages, each said user having a user identity identifying the user;  
a communication path between said at least one controller computer and each said participator computer, a portion of the communication path passing through or by way of the Internet;  
computer software running on said at least one controller computer regulating steps including:

deciding whether a participator computer can be a member in one of a number of communication channels, each said communication channel allowing communication between two or more of the participator computers by way of said at least one controller computer, said deciding performed in accordance with previously defined criteria, said criteria including examining whether a particular user identity is authorized to access the communication system;

delivering user messages according to the previously defined criteria in real time between receipt and delivery of the messages by said at least one controller computer so as to allow the user to access the user messages substantially instantaneously; and

wherein at least some of the user messages are comprised of two or more data types from a group including text, audio, graphics, images, and video or comprised of a URL text that points to at least one additional data type other than text.

950. (new) The system of claim 949, wherein at least one of said user messages includes an address that instructs any of the participator computers to locate another media type upon action by one of the users.

951. (new) The system of claim 949, wherein at least one of said user messages includes an address that commands any of the participator computers to locate an additional message and present the additional message at a respective output device.

952. (new) The system of claim 949, wherein said deciding performed in accordance with previously defined criteria is carried out with said criteria including examining a password in connection with one of said user identities.

953. (new) A method employing computer devices to make decisions and distribute communication, the method including the steps of:

establishing a communication path between at least one controller computer and each of a plurality of participator computers, the communication path passing through or by way of an Internet network, each of said computer taking part in a system, each of said communicator computers respectively connected to an input device and an output device, each of said input devices receiving input information from a respective user of the system, each of the respective output devices presenting user messages, each said user having a user identity identifying the user;

programming the at least one controller computer to direct communication of user messages from one or more of the participator computers to one or more other of the participator computers;

deciding with the at least one controller computer whether a participator computer can be a member in one of a number of communication channels, each said communication channel allowing communication between two or more of the participator computers by way of the at least one controller computer, said deciding performed according to previously defined criteria, the criteria including an examination of whether a particular user identity is authorized to access the system;

delivering the user messages according to the previously defined criteria in real time between receipt and delivery of the messages by said at least one controller computer so as to allow the user to access the user messages substantially instantaneously; and

wherein at least some of the user messages are comprised of two or more data types from a group including text, audio, graphics, images, and video or comprised of a URL text that points to at least one additional data type other than text.

954. (new) The method of claim 953, wherein said step of delivering includes delivering an address or URL of an additional user message and computer instructions that require at least one of the participator computers to locate the additional user message at the address or URL.

## II. Remarks

The Examiner is requested to reconsider the application, please reconsider the application in view of the amendment and remarks set forth below.

Applicant wishes to take this opportunity to thank the Examiner for the interview of 18 January 2005. To elaborate on the interview summary, with regard to claim 1, Applicant respectfully requested an explanation as to how Woo teaches ones that can send and receive ... communications including a respective video, graphic, or pointer-triggered message. Woo appears to teach only one computer (singular) that can send more than text, i.e., the chairperson computer. Without the ones that can send and receive, there would seem to be no reason for Woo to use predefined rules including a test for an authenticated user identity, to determine which ones... can form a group to send and receive.... Claim 1 and claim 435 have been amended for clarity.

In the Office Action of 1 December 2004, claims 1-949 have been rejected pursuant to 35 U.S.C. Sec. 103. Generally, the Examiner has contended that these claims are obvious over Woo in view of Schoof in contentions more precisely set out in the Office Action.

In response, reconsideration and further explanation or allowance is respectfully requested. Applicant respectfully requests an Examiner explanation as to how Woo teaches ones, as per the request and remarks set out above.

Note too that Woo seems to disclose several embodiments, including one at Para 26, which uses 3 clicks to obtain a message and is not real-time. As to the embodiment at Para. 29 that involves users downloading a Yxsimp client to run at the local workstation, Applicant does not understand how the claimed predefined rules including a test for an authenticated user identity would work or be disclosed as per Schoof where the client runs at the local workstation. Information and an explanation are again respectfully requested.

With regard to Schoof, in view of Woo's teaching in Para. 29 that users are

“recommended to download Yxsimp and run it from their local workstation,” the Examiner is also requested to explain the reason to combine with Schoof. This disclosed local use of Yxsimp would seem to be insecure with or without Schoof.

Regarding claim 165, the Examiner contends in the Office Action at page 5 that Woo teaches “obtaining a respective authenticated user...” but at page 5, it is conceded that “Woo does not specifically teach the authenticated user identity.” The Examiner’s explanation is required, and more so in view of the point raised in the preceding paragraph that the Woo-disclosed local use of Yxsimp would seem to be insecure with or without Schoof. Other claim distinctions exist too. Applicant respectfully submits that the cited art does not teach the claimed step of:

using said authenticated user identity to communicate a pointer-triggered message from one of said participator computers to said controller computer and from said controller computer to an other of said participator computers.

As stated above: Woo appears to teach only one computer (singular) that can send more than text, i.e., the chairperson computer. This is particularly evident in that the cited art does not teach the claimed use of “the authenticated user identity” in this step and in the claim as a whole.

Finally, as evidence of unobviousness, Applicant wishes to call the Examiner’s attention to U.S. Patent No. 5,764,916 titled: “Method and Apparatus for Real Time Communication over a Computer Network,” a copy of which is enclosed. This Ichat patent was filed about half a year after the instant application’s priority date and is directed to a method including “...embedding a hyperlink instruction in a message using the first real time chat client...” (but does not show recognition of the instant Claim 1 requirement of:

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones

of the participator computers can form a group to send and receive communications...)

Ichat of Apple fame, and the PTO, felt that this method was inventive in an application filed about half a year later than the instant priority date, which is evidence that the instant invention mention of pointer-triggered message was not obvious to those having ordinary skill in the art at the time of the instant invention. Should allowance not follow herefrom, a response to this evidence of non-obviousness from the industry is respectfully requested.

With regard to other rejected claims, the contention at page 6 of the Office Action that the language of claims 2-164 and 166-949 are substantially the same as the statements made in paragraphs 3, etc. is respectfully traversed. The rejection is improper pursuant to 35 U.S.C. Sec. 132, and if the rejection is maintained, Applicant respectfully requests a more detailed explanation of the rejection, i.e., pursuant to 35 U.S.C. Sec. 132, "the reasons for such rejection... together with such information as may be useful in judging the propriety of continuing prosecution...".

New claims 949-954 are believed to raise no new issue with added precision in certain respects, such that the cited art is believed to be even less applicable. Again Woo appears to teach only one computer (singular) that can send more than text, i.e., the chairperson computer. The cited art does not teach the claimed "user identity" in connection with the claim as a whole. Should there be any question, the Examiner is requested to call the undersigned.

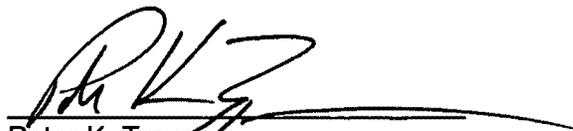
Respectfully, the application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and

if any extension of time is needed, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: March 21, 2005

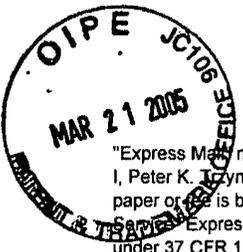
  
Peter K. Trzyzna  
(Reg. No. 32,601)

P. O. Box 7131  
Chicago, Illinois 60680-7131

(312) 240-0824

03-22-05

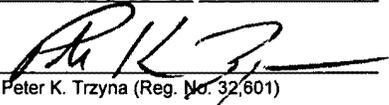
2145  
Box-seq



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I, Peter K. Trzyzna (Reg. No. 32, 601), hereby certify that this  
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under 37 CFR 1.10 on the date indicated below and is  
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P.O. Box 1450, Alexandria, VA 22313-1450 on the date set forth below:

PATENT  
Paper No.  
File: AIS-P1-99

Date: March 21, 2005

Signed:   
Peter K. Trzyzna (Reg. No. 32,601)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

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Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**PETITION FOR EXTENSION OF TIME**

S I R :

This is a Petition for Extension of Time for one month to respond to the Office  
Action Mailed on 1 December 2004, in the above-referenced patent application. If additional  
time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept  
the Amendment and Response filed herewith.

The Commissioner is hereby authorized to charge any fees associated with the  
above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: March 21, 2005

  
Peter K. Trzyna  
(Reg. No. 32,601)

P.O. Box 7131  
Chicago, IL 60680-7131

(312) 240-0824

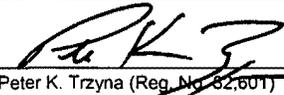
"Express Mail" mailing label number EV623993884US  
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this  
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Service "Express Mail Post Office to Addressee" service  
under 37 CFR 1.10 on the date indicated below and is  
addressed to MS: Fee Amendment, Commissioner of Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450 on the date set forth below:

PATENT

Paper No.

File: AIS-P99-1

Date: March 21, 2005

Signed:   
Peter K. Trzyna (Reg. No. 32,601)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor : Daniel L. Marks  
Serial No. : 09/399,578  
Filed : September 20, 1999  
For : GROUP COMMUNICATIONS MULTIPLEXING  
SYSTEM  
Group Art Unit : 2155  
Examiner : P. Winder

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Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office.

Applicant herewith submits patent(s), publication(s), and/or information of which Applicant is aware that may be material to the examination of this application.

To supplement that which was previously filed, it is noted for the record that the

Webchat screen image filed on 18 January 2005 comes from operation of the code filed 26 January 2005. Additionally, with regard to the G-Talk information provided in that IDS and 1449 filed 18 January 2005, it is presently believed that certain versions of G-Talk were used with the Internet as a link in the chain of communication, but that G-Talk could not send a user message with a respective video, graphic, or pointer-triggered message. The enclosed CDs provide code versions of G-Talk readable with work pad and Windows unzip or 7-zip.

In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials. Additionally, the Examiner is reminded to check for patents and patent applications that cite to the parent patent 5,956,491.

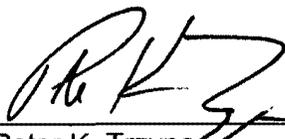
While the Information Disclosure Statement, publications, and other information provided by Applicant may be "prior art" or "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" or materiality for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

Respectfully submitted,

Date:

March 21, 2005



Peter K. Trzyna  
(Reg. No. 32,601)

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Chicago, IL 60680-7131  
(312) 240-0824

Form PTO-1449 (modified)

Atty. Docket No. AIS-P1-99

Serial No.  
09/339,578

List of Patents and Publications for Applicant's

Applicant: Daniel L. Marks

INFORMATION DISCLOSURE STATEMENT

Filing Date:

September 20, 1999

Group:

2765

(Use several sheets if necessary)

U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page 1*Other Art  
*See Page 1*

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						
	A3						

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Artifact: 2 CDs containing code versions of G-Talk.

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99.1449.10.DOC)

Form PTO-1449 (modified)

Atty. Docket No. AIS-P1-99

Serial No.  
09/339,578

List of Patents and Publications for Applicant's

Applicant: Daniel L. Marks

INFORMATION DISCLOSURE STATEMENT

Filing Date:

September 20, 1999

Group:

2765

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1



## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						
	A3						

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Artifact: 2 CDs containing code versions of G-Talk.

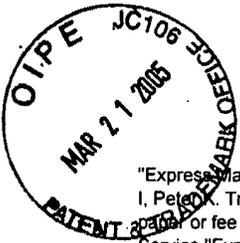
EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99.1449.10.DOC)



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under 37 CFR 1.10 on the date indicated below and is  
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P.O. Box 1450, Alexandria, VA 22313-1450 on the date set forth below:

PATENT

Paper No.

File: AIS-P99-1

Date: March 21, 2005

Signed:   
Peter K. Trzyna (Reg. No. 32,601)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor : Daniel L. Marks  
Serial No. : 09/399,578  
Filed : September 20, 1999  
For : GROUP COMMUNICATIONS MULTIPLEXING  
SYSTEM  
Group Art Unit : 2145  
Examiner : P. Winder

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Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

S I R :

Transmitted herewith for filing in the above-identified patent application is  
the following:

1. Amendment and Response and U.S. Patent No. 5,764,916;
2. Information Disclosure Statement;
3. PTO Form 1449;
4. 2 CDs corresponding to PTO Form 1449; and

5. Petition for Extension of Time.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235. Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: March 21, 2005

  
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**USPTO PATENT FULL-TEXT AND IMAGE DATABASE**

( 1 of 1 )

**United States Patent**  
**Busey , et al.**

**5,764,916**  
**June 9, 1998**

**Method and apparatus for real time communication over a computer network**

**Abstract**

In a method for real time network chat, TCP/IP connections are established between a plurality of clients and a host. Respective real time communications protocol connections such as telnet or IRC are established over the TCP/IP connections, and a message is sent from one of the clients to at least one of the other clients through the host using the respective real time communications protocol connections therebetween. The message, which includes one or more instructions in a markup language such as html, for example, is parsed in the receiving chat client, which displays the message in accordance with the markup language instructions contained therein. Where the markup language instruction is a hyperlink, the telnet chat client receiving the message from the host communicates the URL associated with the hyperlink to a Web browser under user control, and the Web browser requests and receives the desired Web document.

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 Assignee: **ichat, Inc.** (Austin, TX)  
 Appl. No.: **722898**  
 Filed: **September 27, 1996**

**Current U.S. Class:** 709/227; 709/203; 709/204; 709/206; 709/218; 715/501.1; 715/513  
**Intern'l Class:** G06F 017/30  
**Field of Search:** 395/200.57,200.33,200.34,200.36,200.48,774,762 370/289 379/93.14

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*Primary Examiner:* Shin; Christopher B.  
*Attorney, Agent or Firm:* Brobeck, Phleger & Harrison LLP

### Claims

What is claimed is:

1. A method for real time communication over a computer network comprising:

launching a real time chat server;

launching first and second real time chat clients;

establishing real time communications protocol connections over respective network communications connections between the first real time chat client and the chat server and between the second real time chat client and the chat server;

embedding a hyperlink instruction in a message using the first real time chat client; and

sending the message via the real time communications protocol connections from the first real time chat client to the second real time chat client via the chat server.

2. A method as in claim 1 further comprising embedding a markup language instruction in the message.

3. A method as in claim 1 wherein the real time communications connections are TCP/IP connections.

4. A method as in claim 1 further comprising:

receiving the message on the second real time chat client from the chat server via the real time communications protocol connections;

parsing the message to identify the hyperlink instruction contained therein; and

displaying the message on at least one of the first and second real time chat clients in accordance with the hyperlink instruction contained therein.

5. A method as in claim 4 wherein the hyperlink instruction is associated with a document address, further comprising passing the document address from at least one of the first and second real time chat clients to a document acquisition means.

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### *Description*

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## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

The present invention relates to network communications, and more particularly to real-time network chat.

### 2. Description of Related Art

The location and exchange of data over computer networks is controlled by various network protocol. For example, the World Wide Web (hereinafter "Web") is a system of communications protocols that presents information in documents that are capable of being linked to other documents. The documents are stored in a distributed manner across the Internet on the networked computers, and are accessed using programs known as browsers.

The Web is a system of protocols exchanged between a host computer running an application, known as a server, that delivers Web documents, and a user's computer, known as the client. The most fundamental of Internet protocols is Transmission Control Protocol/Internet Protocol, or TCP/IP, which in effect provides a description of the document data being exchanged and a destination for that data.

Web documents are created using a markup language known as html, or Hypertext Markup Language. Generally, a markup language is a set of instructions, or markups, that is used to direct a browser how to display and manage a document. Specifically, html defines the format of a Web document and enables hyperlinks to be embedded in the Web document. Hyperlinks are used to connect a document on one host computer to a document on another host computer. The following html paragraph is illustrative.

<P>

Welcome to the home page of <B>ichat, Inc.</B>. We develop <A  
 HREF='../products/index.html'>software</A>that expands the functionality and accessibility of real-

time Internet chat systems.

The html tags "<B> . . . </B>" instructs the browser to display ichtat Inc. in bold font. The html tag "<A HREF=" instructs the browser to create a link to a web page referenced by the embedded Uniform Resource Locator ("URL"), which is a type of address, and to use the word "software" embedded between the tags "> . . . </A>" as the hyperlinked word. The link may be a target, which is a word or phrase in another section of the same Web page; a relative link, which is another Web page within the current site, either forward or backward relative to the current page; or an external or absolute link, which is a Web page on another host.

A Web browser or client requests a Web document in accordance with its URL, which typically is furnished either manually by the user, through a Web browser bookmark, or through a hyperlink embedded in an html document. The Web browser causes a two-way TCP/IP connection to be established between the client and the host from which the desired Web document is available, and then generates and sends to the host a request header to establish an HTTP connection. The server on the host responds to the URL either by (i) following the directory path contained in the URL and opening the file containing the requested document; or (ii) running a CGI, or Common Gateway Interface, script; or (iii) detecting an error and generating an error document. The host then returns the document along with its file type to the client. After the client acknowledges receipt of the Web document, the host closes the HTTP connection even though the TCP/IP connection may be maintained by the service provider.

The term "HTTP" used above stands for Hypertext Transfer Protocol, which is a transfer protocol that sits on top of TCP/IP and is a stateless protocol designed to transfer documents at a high rate of speed. As a stateless system, HTTP does not retain any information from one document transfer to the next. If additional documents are needed, each II additional document must be transferred by opening a new HTTP connection, requesting the document, delivering the document, and closing the connection.

After the requested Web document is received and the HTTP connection closed, the browser interprets the page format from the imbedded html tags in a process known as parsing. Typically, the html tags format text, load images, and embeds hyperlinks. When the browser encounters an html tag that links to a different type of MIME file such as a sound clip or picture, the browser separately requests that sound clip or picture in another HTTP connection. Hence, if the Web page contains both a sound clip and an image, three requests are made--one for the original html page, one for the sound clip file, and one for the image file.

Although generally successful for many Web functions, the HTTP protocol is ineffective for enabling real-time functions such as chat over networks such as the Internet. However, chat is available over the Internet using the Internet Relay Chat protocol, or IRC. IRC uses the TCP/IP protocol in a client/server model. IRC client software is installed on the user side and integrated into the Web browser. One client initiates a channel by connecting to an IRC enabled server, which may or may not be on the same host as the Web server. Other clients join the channel by typing a join IRC command. The IRC server mediates the channel, passing each message to all channel members or to particular channel members, as determined by the originator of the message.

While IRC has had some success, its widespread use is hampered by several inconvenient aspects of the protocol. For example, IRC is cumbersome and does not support features common in Web browsers, such as hyperlinks and graphics.

#### SUMMARY OF TFIE INVENTION

The present invention advantageously permits real-time chat to be maintained over computer networks

such as the Internet with enhanced functionality of the type generally available to World Wide Web users using Web browsers.

In a method for real time network chat, a real time communications protocol connection is formed over a network communications connection. A hyperlink instruction or any instruction selected from an html instruction set is embedded in a message. The message is sent on the real time communications protocol connection.

In another embodiment of the method, a real time communications protocol connection is formed over a network communications connection. A first message is received on the real time communications protocol connection, the first message containing a hyperlink instruction or an instruction selected from an html instruction set. The first message is parsed to identify the instruction contained therein, and the first message is displayed in accordance with the instruction contained therein.

In other embodiments, the invention includes means for performing the various method steps.

### BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings, in which like reference characters indicate like parts:

FIG. 1 is a schematic diagram of network protocol connections between clients and a host in accordance with the present invention;

FIG. 2 is a flow chart of a method for real time network chat in accordance with the present invention; and

FIG. 3 is a schematic diagram of how a hyperlink functions during a real time network chat, in accordance with the present invention; and

### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

FIG. 1 and FIG. 2 show a process for real-time conferencing across the Internet. The process begins with a user who launches a chat session from his or her computer, preferably from a browser application running on the computer, by running an application called a real time markup ("RTM") chat client. The computer operating system ("OS") causes a two-way TCP/IP connection to be established between the client computer and a host computer for the chat session, while the RTM chat client causes a real time full duplex connection to be established between the RTM chat client and a real time server on the host. Other users join the chat session by establishing TCP/IP connections and launching their own RTM chat clients. FIG. 1 shows three RTM chat clients 110, 120 and 130, which run on top of respective TCP/IP clients 112, 122 and 132. The TCP/IP connections are established with a host computer, which runs TCP/IP host software 140 and typically hosts several different types of servers. FIG. 1 illustratively shows four servers, an HTTP server 142, a telnet/chat server 144, an FTP server 146, and an Internet Relay Chat ("IRC") server 148.

Typically, a variety of other server types reside on the host computer as well, including, for example, Gopher, Usenet and WAIS.

A real time chat client is any client capable of sustaining what appears to a user to be real time chat. The effect of real time is created by using a continuously open connection protocol such as, for example, a continuously open streaming protocol such as telnet or a continuously open connection packet protocol such as IRC. Telnet is a well known streaming protocol used to establish bi-directional continuously

opened sockets and full duplex data transmission to achieve real time communications. The telnet protocol is an industry standard. UNIX hosts are generally provided with telnet servers as part of their operating systems. Other examples of continuously opened connection streaming protocols include UDP, or Universal Data Protocol, and a variety of proprietary protocols. IRC is a well known packet protocol used to establish bi-directional continuously opened sockets and full duplex data transmission to achieve real time communications. The IRC protocol is an industry standard, fully defined in RFC 1459. In contrast, the HTTP protocol defines a transactional half-duplex data transmission. HTTP connections are opened and closed as documents are requested and sent. Real time communication is not realized.

A markup language is any language that enables document formats to be defined, and may also enable hyperlinks to be embedded in documents. The most popular markup language in use on the Web is html, which supports embedded hyperlinks, various font styles such as bold and italics, and various MIME (Multipurpose Internet Mail Extension) file types for text and embedded graphics, video and audio.

FIG. 2 shows what happens when a RTM chat client is launched. Illustratively, the chat client in FIG. 2 is a telnet html chat client and the host includes a telnet server and a server-side application known as a chat server that enables communication between two or more chat clients. While FIG. 2 shows use of the telnet protocol and a compatible chat server, the IRC protocol and an IRC chat server may be used if desired, as well as any other continuously open bi-directional connection chat client-server types and compatible chat server applications. Chat servers are well known; for example, the telnet protocol and proprietary chat server software is commonly used by commercial BBS services, and the IRC protocol and IRC server side chat applications are common in many UNIX environments. While FIG. 2 also shows use of html, other markup languages may be used if desired.

After the TCP/IP and telnet connections are made (step 200), the telnet html chat client immediately begins to receive any messages being posted by the chat server, and may send messages to other telnet html chat clients through the chat server or remain idle in the event that no messages are being sent or received. While non-html telnet clients may also be connected to the chat server, they will not be capable of displaying the incoming data with fidelity because they will not be able to properly parse it.

Messages outgoing from the telnet chat client are processed as follows. The telnet chat client is designed either to send each keystroke to the host either individually or in groups. In either case, the telnet chat client appends the keystroke(s) to a TCP/IP header and the resulting packet is sent to the chat host (step 220). The chat host parses the incoming data in real time (step 222). If the chat host detects a telnet escape sequence (step 224), it processes the detected escape sequence (step 226). Otherwise, the chat host simply posts the data (step 230) to all connected telnet clients or to a specific or ones of connected telnet clients if so instructed by the chat server. The telnet host does not recognize or process html tags in the data, and simply posts them. Connected telnet clients that are not html enabled simply display the html tags as they are received. However, connected telnet html clients recognize and respond to the html tags in the data.

Messages outgoing from an IRC chat client are processed in a slightly different manner. An IRC packet is the entire series of keystrokes preceding a carriage return. An IRC chat client appends the IRC packet or in some cases breaks up the IRC packet into subpackets and appends each sub-packet to a TCP/IP header, and the resulting TCP/IP packet is sent to the IRC chat host. The IRC chat host parses the incoming data in real time, processing any IRC headers and handling the appended data accordingly.

The telnet chat client processes incoming messages containing html tags as follows. The telnet chat client parses the incoming data (step 210) to distinguish between html tags and characters to be displayed. If an html tag is detected (step 212), the tag is processed as appropriate (step 214). If an html

tag is not detected (step 212), the incoming data is displayed on the chat screen of the telnet chat client computer (step 216). In either case, the telnet chat client then looks for more data to process (step 218), and either resumes parsing or idles if no incoming or outgoing message is present.

The telnet connection is terminated either by the client or the host. Termination is done by releasing the socket for the connection, in a manner well known in the art.

An example of a real time chat session among chat clients using html is as follows.

<Sarah>Hi everyone| I found a great web site. Check out the ichtat site.

<Sam>Thanks for the info, Sara. I'm going to check out the site now. Bye.

This text appears on the screens of the html chat clients who are members of the chat session.

When Sarah types her message, she uses either macros or html itself to cause the word "great" to appear in an italics font style, the phrase "Check out" to appear in a bold font style, and to create the hyperlink ichtat site. Sarah's chat client software sends the following illustrative data stream to members of the chat session via the host.

Hi everyone| I found a <I>great</I>web site. <B>Check out</B>the <A  
 HREF='http://www.ichtat.com`>ichtat site.</A>

The html chat client software displays Sara's message as it is typed in a normal font, until the "<I>" tag is detected. The characters "great" are displayed as they are typed in an italics style font until the "</I>" tag is detected, after which subsequent characters are again displayed as they are typed in a normal font. When the "<B>" tag is detected, the subsequent characters "great" are displayed as they are typed in a bold font until the "</B>" tag is detected, after which subsequent characters are again displayed as they are typed in a normal font. When the tag "<A HREF=" http://www.ichtat.com`>" is detected, Sam's software responds by linking the URL `http://www.ichtat.com` to the text following the tag, until the tag "</A>" is detected. Hence, the URL `http://www.ichtat.com` is linked to the hyperlink ichtat site. This hyperlink is displayed as its characters are typed in a underlined and colored font until the "</A>" tag is detected, after which any subsequent characters are displayed as they are typed in a normal font.

Sam responds to Sara's message with his message, and then simply clicks on the hyperlink "ichtat site" in his chat window using either his mouse or keyboard navigation. This action launches Sam's Web browser, if it is not already running. Sam's Web browser takes him to the ichtat home page, without need for Sam to enter a URL.

The manner in which hyperlinks function in a chat session among RTM chat clients is shown in more detail in FIG. 3. The two way arrow between RTM chat client 314 in client 310 and a real time server 324 in host 320 represents a bi-directional TCP/IP-real time protocol communications channel. The two way arrow between RTM chat client 334 in client 330 and the real time server 324 in host 320 also represents another bi-directional TCP/IP-real time protocol communications channel. The one way arrows between web browser 332 in the client 330 and HTTP server 342 in host 340 represent respective one way TCP/IP HTTP (transactional) protocol communications channels. The host 310 need not include a Web browser, the host 320 need not include an HTTP server 322, and the host 340 need not include a real time server 340.

RTM chat client 314 (e.g. Sarah) creates a message that includes an embedded hyperlink, and sends that

message through the real time server 324 (action "A") to the RTM chat client 334 (e.g Sam) (action "B"). Note that other actions that may be occurring, such as echo of the message back to the RTM chat client 314 and communication of the message to other joined chat clients, are omitted for clarity. The client 330 (e.g Sam) then causes his Web browser 332 to access the URL associated with the hyperlink embedded in the chat message (e.g. ichtat site) (action "C"). Action "C" is performed in any suitable manner. For example, if the Web browser 332 is inactive, the RTM chat client 334 simply launches the Web browser 332 using the URL associated with the hyperlink as a command line argument. If the Web browser 332 happens to be running, the RTM chat client 334 communicates the page request to the Web browser 332 using any suitable interface protocol such as the DDE protocol, which is standard in such operating systems as the Microsoft.sub..RTM. Windows.sub..RTM. Version 3.1 operating system and the Microsoft.sub..RTM. Windows.sub..RTM. 95 operating system. Newer protocols and methods suitable for having the RTM chat client 334 cause the Web browser 332 to acquire a Web page include plug-in technologies, ActiveX technologies, and Java technologies. The Web browser 332 makes a TCP/IP connection with the HTTP server 342 (or any other HTTP server, including HTTP server 322) and Web browser 332 makes a request for a Web page (action "D") by sending the URL associated with the embedded hyperlink. The HTTP server 342 responds by delivering the requested Web page (action "E"), and the TCP/IP connection between the Web Browser 332 and the HTTP server 342 is terminated. Meanwhile, the bi-directional TCP/IP-real time protocol communications channels between the RTM chat client 314 and the real time server 324, and between the RTM chat client 334 and the real time server 324 remain open if desired to continue the chat session.

The description of the invention set forth herein is illustrative, and does not limit the scope of the invention as set forth in the following claims. Variations and modifications of the embodiments disclosed herein are possible. For example, various real time communications protocols and various markup languages may be used. These and other variations and modifications of the embodiments disclosed herein may be made without departing from the spirit of the invention and from the scope of the invention as set forth in the following claims.

\* \* \* \* \*



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CD(s) containing:

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Doc Code: Computer

Artifact Type Code: P

pages of specification

and/or sequence listing

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content unspecified or combined

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Artifact Type Code: U

Stapled Set(s) Color Documents or B/W Photographs

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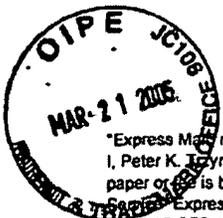
Other, description: \_\_\_\_\_

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PATENT

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File: AIS-P1-99

Date: March 21, 2005

Signed:   
Peter K. Trzyna (Reg. No. 32,601)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	20 September 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	WINDER, Patrice L.

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**PETITION FOR EXTENSION OF TIME**

SIR:

This is a Petition for Extension of Time for one month to respond to the Office Action Mailed on 1 December 2004, in the above-referenced patent application. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Amendment and Response filed herewith.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

04/06/2005 DSMALLS 00000001 500235 09399578  
01 FC:2251 60.00 DA

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,



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# Fax

<b>To:</b> Examiner Patrice Winder	<b>Re:</b> 09/399,578 IDS and Cited Art
<b>Firm:</b> United States Patent and Trademark Office	<b>Date / Time:</b> January 26, 2005
<b>Street Address:</b>	<b>Phone:</b> (571) 272-3935
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 872-9306
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**Message:**

*Missing 19 pgs  
p. 4 blank*

## ksfo-client.txt

```
#!/usr/local/bin/perl

# WebChat(tm) Client v 0.2
# Copyright (c) 1995 Internet Roundtable Society
# Programmed by Michael Fremont, email: webchat@irsociety.com

# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.

# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

# this script is executed when a user submits the "chat" form.

#LITERALS
#-----
$LOCK_SH = 1;
$LOCK_EX = 2;
$LOCK_NB = 4;
$LOCK_UN = 8;

$TRUE = 1;
$FALSE = 0;

#GLOBALS
#-----
$client = "http://cgi-bin/nph-client#anchor1";

# the following line is for the www.irsociety.com system
#$talkfile = "/home/webchat/transcripts/ksfo";
# the following line is for the webchat.service.digital system
#$talkfile =
"/usr/local/httpd/htdocs/webchat/transcripts/ksfo";
#$talkfile =
"/home/lanshark/www/pages/webchat/transcripts/ksfo";

$point_gif =
"http://www.cybertoday.com/cybertoday/webchat/point.gif";
$webchat_logo =
"http://www.ccnet.com/laporte/images/ksfologo.gif";
$about_local_server = "http://www.cybertoday.com/";
$local_tz = "PDT (-0700 GMT)";

$read_block_size = 512;
$num_context_paras = 0;
$num_context_paras_when_starting = 10;
$para_mark_size = 7; # 7 digits (space padded)
$back_jump = 10;
$sway_back_when = 40;

# get the form
&ReadParse;
```

Page 1

```

ksfo-client.txt
$last_read_para = ${last_read_para};
$wants_dates_printed = ${in{wants_dates_printed}};
$back_para = ${in{back_para}};

# we've changed to letting you specify how far back you want to scroll
# we're leaving the old code in case we go back
if(${in{Back}} > 0)
{
    $back = $TRUE;
    $back_para = $back_para - $back_jump;
    ($back_para < 1) && ($back_para = 1);
#    $last_read_para = $back_para;
    $last_read_para = $last_read_para - ${in{Back}};
    ($last_read_para < 1) && ($last_read_para = 1);
}

### for debugging
#if(${in{InputText}} eq "")
# {
#     $in{handle} = "Michael Fremont";
#     $in{InputText} = "hello, world!";
# }

# open a (properly initialized) transcript file

# later: if need to die, put text in some log file somewhere
open (TRANSCRIPT, "+<$stalkfile") || die "client
can't open transcript file";

# If the user input any text, add it to transcript file
($in{InputText} ne "" && $back eq "") && &add_to_transcript;

# Update the output area or send error message if nothing new
&output_new_form;
exit;

sub output_new_form

# if there is new output for this user, send it to him. Otherwise return
# "no new info" error message to his browser so it keeps his current state
{
    local ($buf, $tbuf, $last_para, $found, $amount_to_read);
    local ($para_num, $date, $handle, $headURL, $headURLsize, $text);

    # look for first context paragraph that is to be output to user
    # note - it may not be in transcript file anymore, if the file was pruned
    # but for this version, assume pruning has not yet been implemented

    $first_context_para = $last_read_para - $num_contextparas;
    ($first_context_para < 1) && ($first_context_para = 1);
    $ffirst_context_para =
        "\0"
        pack("A$para_mark_size", $first_context_para) .
        "\1";

    # read a block from the end of the file and look for the context para.

```

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Regular Correspondence:  
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**Peter K. Trzyna, Esq.**

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# Fax

<b>To:</b> Examiner Patrice Winder	<b>Re:</b> 09/399,578 IDS and Cited Art
<b>Firm:</b> United States Patent and Trademark Office	<b>Date / Time:</b> January 26, 2005
<b>Street Address:</b>	<b>Phone:</b> (571) 272-3935
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 872-9306
<b>cc:</b>	<b>No. of Pages:</b> 22 (including cover)

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**Message:**

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p. 9 blank*

## ksfo-client.txt

```
#!/usr/local/bin/perl

# WebChat(tm) Client v 0.2
# Copyright (c) 1995 Internet Roundtable Society
# Programmed by Michael Fremont, email: webchat@irsociety.com

# This program is free software; you can redistribute it and/or modify
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# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

# this script is executed when a user submits the "chat" form.

#LITERALS
#-----
$LOCK_SH = 1;
$LOCK_EX = 2;
$LOCK_NB = 4;
$LOCK_UN = 8;

$TRUE = 1;
$FALSE = 0;

#GLOBALS
#-----
$client = "http://cgi-bin/nph-client#anchor1";

# the following line is for the www.irsociety.com system
#$stalkfile = "/home/webchat/transcripts/ksfo";
# the following line is for the webchat.service.digital system
#$stalkfile =
"/usr/local/httpd/htdocs/webchat/transcripts/ksfo";
$stalkfile =
"/home/lanshark/www/pages/webchat/transcripts/ksfo";

$point_gif =
"http://www.cybertoday.com/cybertoday/webchat/point.gif";
$webchat_logo =
"http://www.ccnet.com/laporte/images/ksfo/logo.gif";
$about_local_server = "http://www.cybertoday.com/";
$local_tz = "PDT (-0700 GMT)";

$read_block_size = 512;
$num_context_paras = 0;
$num_context_paras_when_starting = 10;
$para_mark_size = 7; # 7 digits (space padded)
$back_jump = 10;
$way_back_when = 40;

# get the form
&ReadParse;
```

Page 1

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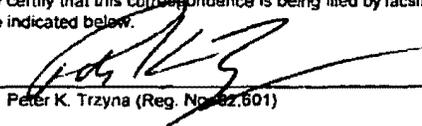
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By   
Peter K. Trzyna (Reg. No. 62,601)

Date January 26, 2005

PATENT

Paper No.

File: AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

SIR:

Transmitted herewith for filing in the above-identified patent application is the following:

1. Information Disclosure Statement; and
2. PTO 1449 and Cited Art.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given

below.

Respectfully submitted,

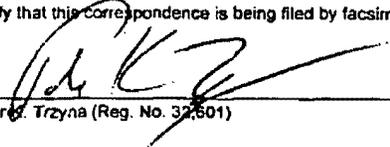


Peter K. Trzyna  
(Reg. No. 32,601)

Date: January 25, 2005

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

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Date January 26, 2005

PATENT

Paper No.

File: AIS-P99-1

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Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to

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While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

II. FEE

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

III. SIGNATURE

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

  
\_\_\_\_\_  
Peter K. Trzyna  
(Reg. No. 32,601)

Date: January 26, 2005

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Chicago, IL 60680-7131  
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Form PTO-1449 (modified)		Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT		Applicant: Daniel L. Marks	
		Filing Date: September 20, 1999	Group: 2145
(Use several sheets if necessary)			
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>		Other Art <i>See Page 1</i>

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	"WebChat," Michael Fremont, <i>Internet Roundtable Society</i> , 1995, Pages 1-10
	C2	"A World-Wide Web User Interface for an Electronic Meeting Tool," Michael J. Rees and Tak K. Woo, <i>Howard &amp; Lueng</i> , 28 Nov-1Dec., 1994, Pages 187-192

**EXAMINER:**

**DATE CONSIDERED:**

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E-mail: pctlaw@email.msn.com

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<b>Street Address:</b>	<b>Phone:</b> (571) 272-3935
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 872-9306
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**Message:**

*missing 11 pages*

ksfo-client.txt

```
#!/usr/local/bin/perl

# webChat(tm) Client v 0.2
# Copyright (c) 1995 Internet Roundtable Society
# Programmed by Michael Fremont, email: webchat@irsociety.com

# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.

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# along with this program; if not, write to the Free Software
# Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

# this script is executed when a user submits the "chat" form.

#LITERALS
#-----
$LOCK_SH = 1;
$LOCK_EX = 2;
$LOCK_NB = 4;
$LOCK_UN = 8;

$TRUE = 1;
$FALSE = 0;

#GLOBALS
#-----
$client = "http://cgi-bin/nph-client#anchor1";

# the following line is for the www.irsociety.com system
#$stalkfile = "/home/webchat/transcripts/ksfo";
# the following line is for the webchat.service.digital system
#$stalkfile =
"/usr/local/httpd/htdocs/webchat/transcripts/ksfo";
$stalkfile =
"/home/lanshark/www/pages/webchat/transcripts/ksfo";

$point_gif =
"http://www.cybertoday.com/cybertoday/webchat/point.gif";
$webchat_logo =
"http://www.ccnet.com/laporte/images/ksfologo.gif";
$about_local_server = "http://www.cybertoday.com/";
$local_tz = "PDT (-0700 GMT)";

$read_block_size = 512;
$num_context_paras = 0;
$num_context_paras_when_starting = 10;
$para_mark_size = 7; # 7 digits (space padded)
$back_jump = 10;
$way_back_when = 40;

# get the form
&ReadParse;
```

```

                                ksfo-client.txt
$last_read_para = ${in{last_read_para}};
$wants_dates_printed = ${in{wants_dates_printed}};
$back_para = ${in{back_para}};

# we've changed to letting you specify how far back you want to scroll
# we're leaving the old code in case we go back
if(${in{Back}} > 0)
{
    $back = $TRUE;
    $back_para = $back_para - $back_jump;
    ($back_para < 1) && ($back_para = 1);
#   $last_read_para = $back_para;
    $last_read_para = $last_read_para - ${in{Back}};
    ($last_read_para < 1) && ($last_read_para = 1);
}

### for debugging
#if(${in{InputText}} eq "")
#
#   ${in{handle}} = "Michael Fremont";
#   ${in{InputText}} = "hello, world!";
#
# open a (properly initialized) transcript file

# later: if need to die, put text in some log file somewhere
open (TRANSCRIPT, "+<$talkfile") || die "Client
can't open transcript file";

# If the user input any text, add it to transcript file
(${in{InputText}} ne "" && $back eq "") && &add_to_transcript;

# Update the output area or send error message if nothing new
&output_new_form;
exit;

sub output_new_form

# if there is new output for this user, send it to him. Otherwise return
# "no new info" error message to his browser so it keeps his current state
{
    local ($buf, $stbuf, $last_para, $found, $amount_to_read);
    local ($para_num, $date, $handle, $headURL, $headURLsize, $text);

# look for first context paragraph that is to be output to user
# note - it may not be in transcript file anymore, if the file was pruned
# but for this version, assume pruning has not yet been implemented

$first_context_para = $last_read_para - $num_context paras;
($first_context_para < 1) && ($first_context_para = 1);
$ffirst_context_para =
    "\0"
    pack("A$para_mark_size", $first_context_para) .
    "\1";

# read a block from the end of the file and look for the context para.

```

```

                                ksfo-client.txt
# If not found, read more from the file until it is found
$first_read = $TRUE;
seek(TRANSCRIPT, 0, 2); #move to EOF

# loop until found context para or at beginning of file
# (BOF determined by finding para 0 mark at beginning of buf)
while ( !($found = $buf =~ /$ffirst_context_para/) )
{
    $amount_to_read = $read_block_size;
    $curr_loc = tell(TRANSCRIPT);

    ($curr_loc == 0) && last; # read to beginning of file already

    ($curr_loc < $read_block_size) && ($amount_to_read = $curr_loc);
    seek(TRANSCRIPT, -$amount_to_read, 1);
    read(TRANSCRIPT, $tbuf, $amount_to_read);
    if($first_read == $TRUE)
    {
        # if no new data, exit loop
        # check by looking for same para# at end of file as before
        $first_read = $FALSE;
        $last_para=
            pack("A$para_mark_size", $last_read_para+1);

        $next_para_num =
            substr($tbuf, length($tbuf)-$para_mark_size-1);

        # commented out so we ALWAYS return data - otherwise
        # NETSCAPE can get confused in its caching. (I think)
        ($next_para_num eq $last_para)
        && last;

        # if the context para is way before $next_para_num, it's
        # because the user just got into chat, and the transcript
        # file is big. Change context para so they only get
        # stuff near the end of file, and aren't overwhelmed.
        if(($last_para lt $next_para_num - $way_back_when) && !$back)
        {
            $first_context_para = $next_para_num -
$num_contextparas_when_starting;
            $ffirst_context_para =
                "\0"
                pack("A$para_mark_size", $first_context_para) .
                "\1";
        }
    }

    # add new stuff to $buf
    $buf = $tbuf . $buf;

    # move back to before the data we just read
    seek(TRANSCRIPT, -$amount_to_read, 1);
}

# send "no data" status if:
# * no new data, or
# * there's no data at all in the file
if(!$found)
{
    #!! the next line must change based on which ver. of HTTP req. came in
    print "HTTP/1.0 204 NO RESPONSE\n";
}

```

Page 3

```

                                ksfo-client.txt
print "Server: webChat Client via CERN/3.0\n";
print "Content-Type: text/html\n\n";
exit;
}

print "HTTP/1.0 200 OK\n";
print "Server: webChat Client via CERN/3.0\n";
print "Content-Type: text/html\n\n";

&output_form_header;

#print context

# break the buffer into separate paragraphs
# paragraph 0 has file-global info, and is not a real para so don't output it

# NOTE: this will could result in a lot of elements if we read a lot of
# the file
@paras = split(/\000/, $buf);

# output each paragraph
for($a=1; $a< $#paras; $a++)
{
    &print_para($a);
}

print "<FORM ACTION=\"\$client\" METHOD=\"POST\">\n";

$last_read_para = $next_para_num -1;
&output_hidden_field("last_read_para", "$last_read_para");

($back eq "") && ($back_para = $last_read_para);
&output_hidden_field("back_para", "$back_para");

&output_form_trailer;
}

sub print_para
# prints the indicated paragraph to the user
{
    ($out_para) = @_;

    $anchor_para = $last_read_para;
    ($anchor_para < 1) && ($anchor_para = 1);

    ($para_num, $date, $handle, $headURL, $headURLsize, $text) =
        split(/\001/, $paras[$out_para]);

    # put the anchor one paragraph in front of new stuff
    if ($para_num == $anchor_para)
    {
        print "<A NAME=\"anchor1\"></A>";
    }

    if($para_num == $last_read_para+1)
    {
        print "<IMG ALIGN=bottom SRC=\"\$point_gif\"><BR>\n";
    }
}

```

## ksfo-client.txt

```

($headURL =~ /http:\/\/\w/) && print $headURL;

# the BR CLEAR=left causes our version of Air Mosaic to really puke, but
# without it we can't wrap the text to the right of the images, which really
# saves screen space and looks a lot better. So we'll leave it in until
# we get lots of complaints from users.
#   print "$handle:", "<BR>\n$text<BR><P>\n";
#   print "$handle: . . . $date", "<BR>\n$text<BR CLEAR=left><P>\n";
}

sub output_form_header
# prints the header portion of the talk form (everything up to the chat section)
{
print "<HTML>\n",
"<HEAD>\n",
"<title>webchat</title>\n",
"</HEAD>\n",
"<BODY>\n",
"<IMG ALIGN=bottom SRC=\"\$webchat_logo\"><HR>\n"; }

#FORM FOLLOWS (mostly)

sub output_form_trailer
#prints the trailer portion of the talk form (everything after the chat section)
{
print "<BR><INPUT TYPE=\"submit\" NAME=\"Chat\" VALUE=\"Chat\"> Get/Send message
\n",
". . . Scroll Back \n<INPUT TYPE=\"text\" SIZE = \"5\" NAME=\"Back\">
messages",
"<TEXTAREA NAME=\"InputText\" ROWS=3 COLS=70></TEXTAREA><P>\n",
"Your Handle: <INPUT NAME=\"handle\" VALUE=\"${in{handle}}\"><p>\n",
"Your picture URL: <INPUT TYPE=\"text\" SIZE = \"50\" NAME=\"picture\"",
"VALUE=\"${in{picture}}\"><P>\n",
"Your room: <SELECT NAME=\"room\">\n",
#   "<OPTION>Room 1\n",
#   "<OPTION>Room 2\n",
#   "<OPTION>Room 3\n",
#   "<OPTION>Room 4\n",
#   "<OPTION>Room 5\n",
#   "<OPTION>Room 6\n",
#   "</SELECT><P>\n",
#   "</FORM>",
"Click here for <A
HREF=\"http://www.irsociety.com/webchat/help.html\">help</A>. ",
#   "Click here for a <A
HREF=\"http://www.irsociety.com/webchat/transcript.html\">Transcript.</A>\n",
#   "Click here for <A
HREF=\"http://www.irsociety.com/webchat/options.html\">Options</A>",
"*Go to the <A HREF=
\"http://www.irsociety.com/webchat/webchat.html\">webChat Home Page</A>\n",
"*About this <A HREF= \"\$about_local_server\">Server</A>\n",
#   "<FORM>",
#   "<INPUT TYPE=\"submit\" NAME=\"exit\" VALUE=\"Goodbye\">",
#   "</FORM>",

```

ksfo-client.txt

```

"/BODY>";
"/HTML>";
}

```

```
sub init_transcript_file
```

```

# makes a new transcript file with the given name, and initializes it as
# follows:
#
# a dummy paragraph, numbered 0, that looks like this:
#   0 \1
#   possibly some global file info here, not yet defined
#   \0
#   1 \1
#
# the first real paragraph in a transcript file is numbered 1
#
# paragraphs have the following format:
# (all entries are \1 terminated, except the null paragraph terminator)
#
# paragraph number (7 digits, space padded)
# date
# handle
# head URL
# head URL size
# text
# null paragraph terminator
#
# paragraph numbers are fixed in size so we can improve efficiency.
# The end of a transcript file always has the next paragraph number so we
# can very quickly see if there is any new text. By having it be a fixed
# size field we know exactly where the beginning of it is.
#
# Records are null terminated so we can easily split the file into
# paragraphs, and fields are terminated with \1 so we can split a record.
{
}

```

```
sub output_hidden_field
```

```

# outputs an HTML formatted hidden field to stdout
# input parameters are:
#   name, value
{
local ($name, $value);
($name, $value) = @_;
print "<INPUT TYPE=\"hidden\" NAME=\"$name\" VALUE=\"$value\">\n";
}

```

```
sub add_to_transcript
```

```

# the user has submitted text to add to the conversation
# add it, as appropriate, to the transcript
{
# now we're ready to write it, get file lock

```

Page 6

```

                                ksfo-client.txt
flock(TRANSCRIPT, $LOCK_EX); # waits here until gets exclusive lock
# analyze input for links like http: and gopher:
&analyze_input;

# the next paragraph number is already at the end of the file; get it
# stored as a null, then $para_mark_size digits string, space padded, then "\1"
seek(TRANSCRIPT, -($para_mark_size+1), 2);
read(TRANSCRIPT, $next_para_num, $para_mark_size+1);
#re-seek to end of file for OS systems that need interspersed read/seek/write
seek(TRANSCRIPT, 0, 2);
print TRANSCRIPT join("\1", $date, $handle, $headURL, $headURLsize,
    $input_text), "\1\0", pack("A$para_mark_size", ++$next_para_num), "\1";

# done with writing, unlock file
flock(TRANSCRIPT, $LOCK_UN);
}

sub analyze_input

# looks at the text input from the user; any hyperlink references found
# (such as http: and gopher:) are converted to HTML so they become live
# when sent back to a user. NOT YET IMPLEMENTED.

# also constructs header information such as date of input, handle, etc.
{
# get the date and time
local ($sec, $min, $hour, $mday, $mon, $year, $wday, $yday, $isdat) = localtime;
local ($am_pm, $picture);

$am_pm = "AM";
if ($hour > 12)
{
    $hour = $hour -12;
    $am_pm= "PM";
}
($min < 10) && ($min = '0' . $min);
local (@day_of_week) = ("Sun", "Mon", "Tue", "Wed", "Thu", "Fri", "Sat");
local (@month) = ("Jan", "Feb", "Mar", "Apr", "May", "Jun", "Jul", "Aug", "Sep",
"Oct", "Nov", "Dec");
$date = "$day_of_week[$wday], $month[$mon] $mday, $hour:$min$am_pm $local_tz";

# get the user's handle
$handle = $in{handle};

# convert user's head URL to HTML form
$picture = $in{picture};

# if the machine has a domain name, make it inline
if ($picture =~ m!(http://[a-z][\~a-z0-9/\.] + \.gif\w*)!i)
{
    ($headURL = "<IMG ALIGN=left HSPACE=10 SRC=\"\" . $picture . "\">\n");
}

# otherwise, just point to it as a hotlink
elsif ($picture =~ m!(http://[\~a-z0-9/\.] + \.gif\w*)!i)
{
    ($headURL = "<A HREF=\"\"$picture\">picture</a><br>\n");
}

#get the size of the user's picture
#not yet implemented

```

## ksfo-client.txt

```

$headURLsize=1;

# look for hyperlinks in inputted text and convert them to HTML
# not yet fully implemented
$input_text = $in{InputText};

# look for HTML markup language in the input.  If they get it wrong, it will
# cause many browsers to die, so for now, we disallow it.
# Brain-dead, temporary solution:  if we find pairs of <> brackets, replace
# them with the words 'less than' and 'greater than' and put out an
# 'advisory' message.
# We do this rather than trying to parse HTML now.  Later we will.
# side-effect:  if the user really was using '<' and '>' for something else
# in the message... oops.

$input_text =~ s/<([<]*)>/\1/gi;

#this is such a hack that if anyone claims I did it I will deny it!
# inline any .gifs referenced in user's text
# first make them invisible to the next line
$input_text =~ s!http://[\~a-z0-9_\.\.]+\.\gif\w*)!xxxx$1!gi;
$input_text =~ s!http://[\~a-z0-9_\.\.]+\.\jpg\w*)!xxxx$1!gi;

# make any other hypertext pointers live
#known bug:  matches http://www.irsociety.com. (includes the period in button)
$input_text =~ s!(http://[\~a-z0-9_\.\.]+\.\S+)!<A HREF=\"$1\"><B>button</B></A>!gi;
$input_text =~ s!(ftp://[\~a-z0-9_\.\.]+\.\S+)!<A HREF=\"$1\"><B>button</B></A>!gi;
$input_text =~ s!(mailto:[@a-z0-9_\.\.]+\.\S+)!<A HREF=\"$1\"><B>button</B></A>!gi;

# now inline the .gifs and .jpgs
# only display headURL if from a machine with a domain name, not just
# a number.  This is so the user's browser doesn't hang up "forever"
# trying to reach a machine that is likely not to be a permanent
# member of the Internet

# for pics from machines with just an IP address, use a placeholder
# image that is live and points to the real address.  If the user
# wants to see it, he can click on it.  If the link is dead, it
# won't look like webchat has failed.

$input_text =~ s!xxxx(://[\~a-z0-9_\.\.]+\.\gif\w*)!<IMG SRC =\"http$1\">!gi;

#$input_text =~ s!xxxx(://[\~a-z0-9_\.\.]+\.\gif\w*)!<A
HREF= \"http$1\">picture</a><br>!gi;

$input_text =~ s!xxxx(://[\~a-z0-9_\.\.]+\.\jpg\w*)!<IMG SRC =\"http$1\">!gi;
###
}

# Perl Routines to Manipulate CGI input
# S.E.Brenner@bioc.cam.ac.uk
# $Header: /cys/people/seb1005/http/cgi-bin/RCS/cgi-lib.pl,v 1.7 1994/11/04 00:
#17:17 seb1005 Exp $
#
# Copyright 1994 Steven E. Brenner
# Unpublished work.
# Permission granted to use and modify this library so long as the
# copyright above is maintained, modifications are documented, and

```

Page 8

```

                                ksfo-client.txt
# credit is given for any use of the library.
#
# Thanks are due to many people for reporting bugs and suggestions
# especially Meng weng wong, Maki watanabe, Bo Frese Rasmussen,
# Andrew Dalke, Mark-Jason Dominus and Dave Dittrich.

# see http://www.seas.upenn.edu/~mengwong/forms/   or
#   http://www.bio.cam.ac.uk/web/                 for more information

# Minimalist http form and script (http://www.bio.cam.ac.uk/web/minimal.cgi):
# if (&MethGet) {
#   print &PrintHeader,
#   '<form method=POST><input type="submit">Data: <input name="myfield">';
# } else {
#   &ReadParse(*input);
#   print &PrintHeader, &PrintVariables(%input);
# }

# MethGet
# Return true if this cgi call was using the GET request, false otherwise
# Now that cgi scripts can be put in the normal file space, it is useful
# to combine both the form and the script in one place with GET used to
# retrieve the form, and POST used to get the result.

sub MethGet {
  return ($ENV{'REQUEST_METHOD'} eq "GET");
}

# ReadParse
# Reads in GET or POST data, converts it to unescaped text, and puts
# one key=value in each member of the list "@in"
# Also creates key/value pairs in %in, using '\0' to separate multiple
# selections

# If a variable-glob parameter (e.g., *cgi_input) is passed to ReadParse,
# information is stored there, rather than in $in, @in, and %in.

sub ReadParse {
  local (*in) = @_ if @_;

  local ($i, $loc, $key, $val);

  # Read in text
  if ($ENV{'REQUEST_METHOD'} eq "GET") {
    $in = $ENV{'QUERY_STRING'};
  } elsif ($ENV{'REQUEST_METHOD'} eq "POST") {
    read(STDIN,$in,$ENV{'CONTENT_LENGTH'});
  }

  @in = split(/&/,$in);

  foreach $i (0 .. $#in) {
    # Convert plus's to spaces
    $in[$i] =~ s/\+/ /g;

    # Split into key and value.
    ($key, $val) = split(/=/,$in[$i],2); # splits on the first =.
    #!! text fields return empty values when user doesn't use; dump these
    ($val eq "") && next;

    # Convert %XX from hex numbers to alphanumeric
  }
}

```

```

ksfo-client.txt
$key =~ s/%(..)/pack("c",hex($1))/ge;
$val =~ s/%(..)/pack("c",hex($1))/ge;

# Associate key and value
${in}{$key} .= "\0" if (defined(${in}{$key})); # \0 is the multiple separator
${in}{$key} .= $val;
}

return 1; # just for fun
}

# PrintHeader
# Returns the magic line which tells WWW that we're an HTML document

sub PrintHeader {
    return "Content-type: text/html\n\n";
}

# PrintVariables
# Nicely formats variables in an associative array passed as a parameter
# And returns the HTML string.

sub PrintVariables {
    local (%in) = @_;
    local ($old, $out, $output);
    $old = $*; $* = 1;
    $output .= "<DL COMPACT>";
    foreach $key (sort keys(%in)) {
        foreach (split("\0", ${in}{$key})) {
            ($out = $_) =~ s/\n/<BR>/g;
            $output .= "<DT><B>$key</B><DD><I>$out</I><BR>";
        }
    }
    $output .= "</DL>";
    $* = $old;

    return $output;
}

# PrintVariablesShort
# Nicely formats variables in an associative array passed as a parameter
# Using one line per pair (unless value is multiline)
# And returns the HTML string.

sub PrintVariablesShort {
    local (%in) = @_;
    local ($old, $out, $output);
    $old = $*; $* = 1;
    foreach $key (sort keys(%in)) {
        foreach (split("\0", ${in}{$key})) {
            foreach (split("\0", ${in}{$key})) {
                ($out = $_) =~ s/\n/<BR>/g;
                $output .= "<B>$key</B> is <I>$out</I><BR>";
            }
        }
    }
    $* = $old;

    return $output;
}
}

```

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# Fax

<b>To:</b> Examiner Patrice Winder	<b>Re:</b> 09/399,578 IDS and Cited Art
<b>Firm:</b> United States Patent and Trademark Office	<b>Date / Time:</b> January 26, 2005
<b>Street Address:</b>	<b>Phone:</b> (571) 272-3935
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 872-9306
<b>cc:</b>	<b>No. of Pages:</b> 22 (including cover)

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**Message:**

*Missing 19 pages  
p. 4-22 (blank)*

## ksfo-client.txt

```
#!/usr/local/bin/perl

# webChat(tm) Client v 0.2
# Copyright (c) 1995 Internet Roundtable Society
# Programmed by Michael Fremont, email: webchat@irsociety.com

# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 2 of the License, or
# (at your option) any later version.

# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.

# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

# this script is executed when a user submits the "chat" form.

#LITERALS
#-----
$LOCK_SH = 1;
$LOCK_EX = 2;
$LOCK_NB = 4;
$LOCK_UN = 8;

$TRUE = 1;
$FALSE = 0;

#GLOBALS
#-----
$client = "http://cgi-bin/nph-client#anchor1";

# the following line is for the www.irsociety.com system
#$stalkfile = "/home/webchat/transcripts/ksfo";
# the following line is for the webchat.service.digital system
#$stalkfile =
"/usr/local/httpd/htdocs/webchat/transcripts/ksfo";
$stalkfile =
"/home/lanshark/www/pages/webchat/transcripts/ksfo";

$point_gif =
"http://www.cybertoday.com/cybertoday/webchat/point.gif";
$webchat_logo =
"http://www.cnet.com/laporte/images/ksfo/logo.gif";
$about_local_server = "http://www.cybertoday.com/";
$local_tz = "PDT (-0700 GMT)";

$read_block_size = 512;
$num_context_paras = 0;
$num_context_paras_when_starting = 10;
$para_mark_size = 7; # 7 digits (space padded)
$back_jump = 10;
$sway_back_when = 40;

# get the form
&ReadParse;
```

Page 1

```

ksfo-client.txt
$last_read_para = ${in{last_read_para}};
$wants_dates_printed = ${in{wants_dates_printed}};
$back_para = ${in{back_para}};

# we've changed to letting you specify how far back you want to scroll
# we're leaving the old code in case we go back
if(${in{Back}} > 0)
{
    $back = $TRUE;
    $back_para = $back_para - $back_jump;
    ($back_para < 1) && ($back_para = 1);
#    $last_read_para = $back_para;
    $last_read_para = $last_read_para - ${in{Back}};
    ($last_read_para < 1) && ($last_read_para = 1);
}

### for debugging
#if(${in{InputText}} eq "")
#
#     ${in{handle}} = "Michael Fremont";
#     ${in{InputText}} = "hello, world!";
#
# open a (properly initialized) transcript file

# later: if need to die, put text in some log file somewhere
open (TRANSCRIPT, "+<$stalkfile") || die "Client
can't open transcript file";

# If the user input any text, add it to transcript file
(${in{InputText}} ne "" && $back eq "") && &add_to_transcript;

# Update the output area or send error message if nothing new
&output_new_form;
exit;

sub output_new_form

# if there is new output for this user, send it to him. Otherwise return
# "no new info" error message to his browser so it keeps his current state
{
    local ($buf, $tbuf, $last_para, $found, $amount_to_read);
    local ($para_num, $date, $handle, $headURL, $headURLsize, $text);

# look for first context paragraph that is to be output to user
# note - it may not be in transcript file anymore, if the file was pruned
# but for this version, assume pruning has not yet been implemented

    $first_context_para = $last_read_para - $num_contextparas;
    ($first_context_para < 1) && ($first_context_para = 1);
    $ffirst_context_para =
        "\0"
        pack("A$para_mark_size", $first_context_para) .
        "\1";

# read a block from the end of the file and look for the context para.

```

Page 2

**BEST AVAILABLE COPY**

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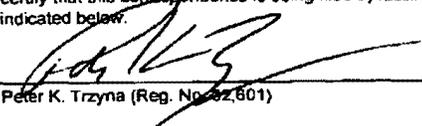
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**Message:**

*Incomplete  
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(p. 8 - 22).*

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By   
Peter K. Trzyna (Reg. No. 42,801)  
Date January 26, 2005

PATENT

Paper No.

File: AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

SIR :

Transmitted herewith for filing in the above-identified patent application is the following:

1. Information Disclosure Statement; and
2. PTO 1449 and Cited Art.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given

below.

Respectfully submitted,

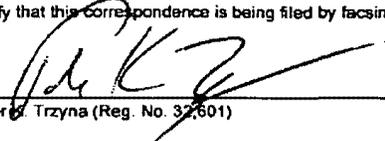


Peter K. Trzyzna  
(Reg. No. 32,601)

Date: January 25, 2005

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2145
Examiner	:	P. Winder

---

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Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to

the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in Sect. 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

**II. FEE**

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

**III. SIGNATURE**

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,

  
\_\_\_\_\_  
Peter K. Trzyna  
(Reg. No. 32,601)

Date: January 26, 2005

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

Form PTO-1449 (modified)		Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT		Applicant: Daniel L. Marks	
		Filing Date: September 20, 1999	Group: 2145
(Use several sheets if necessary)			
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>		Other Art <i>See Page 1</i>

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1						
	A2						

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	"WebChat," Michael Fremont, <i>Internet Roundtable Society</i> , 1995, Pages 1-10
	C2	"A World-Wide Web User Interface for an Electronic Meeting Tool," Michael J. Rees and Tak K. Woo, <i>Howard &amp; Lueng</i> , 28 Nov-1Dec., 1994, Pages 187-192

**EXAMINER:**

**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

*INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)*

C: 56468(AIS-P1-99.1449.9.DOC)



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3

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 12/01/2004  
PETER K TRZYNA  
P.O.BOX 7131  
CHICAGO, IL 606807131

EXAMINER

WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2145	

2145

DATE MAILED: 12/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

<b>Application No.</b> 09/399,578	<b>Applicant(s)</b> MARKS, DANIEL L.	
<b>Examiner</b> Patrice Winder	<b>Art Unit</b> 2145	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 10 September 2004.
- 2a)  This action is FINAL.
- 2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1-949 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-949 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 9-10-04.
- 4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_

Art Unit: 2145

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-949 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tak K. Woo et al., "Asynchronous Collaboration Tool for World-Wide Web (hereafter referred to as Woo) in Schoof, II, USPN 5,440,624 (hereafter referred to as Schoof).

3. Regarding claim 1, Woo taught a method of using computers to communicate over an Internet network ("To support this need, the Yarn synchronous collaboration tool has been added to the World Wide Web to operate in conjunction with the Mosaic browser.", paragraph 1), the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device ("When linked to the World Wide web, the Yarn client and server processes combine to provide a service called Yarn Web, which appears as a separate window on the X display.", paragraph 2 and "Users can join the meeting via a standard Telnet client application which runs on all machines supporting TCP/IP, or via other graphical user interface (GUI) client running on X-Windows and Windows NT workstations.", paragraph 5);

Art Unit: 2145

arbitrating with controller computer, in accordance with predefined rules (access permissions particular to the user), to determine which ones of the participator computers can form a group to send and receive communications (“This facility allows any user with appropriate access permission to consult ... the logs of all meetings in progress ...”, paragraph 10 and “Accessing a meeting document, with appropriate access controls in place, would, in effect, allow the user to join a meeting.”, paragraph 8. Forming a new group by adding participants.)

sending and receiving said communications in real time over the Internet network between the participator computers in said group (“2. Meeting within the browser users should be able to join and converse in real-time with other participants within the browser.”, paragraph 9), some of the communications including a respective video, graphic or pointer-triggered message (“At first a static file is created with a hypertext link to a designed URL. Users are notified of a new document from Yarn Web by a message as follow: LOG: Load document – <http://coral.it.Bond.eud.au:91776/reesm.html>.”, paragraph 25). Woo does not specifically teach including a test for an authenticated user identity. However, Schoof taught arbitrating using a test for an authenticated user identity (column 7, lines 53-58). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating Schoof’s authenticated user identity in Woo’s Yarn Web would have improved meeting organization. The motivation would have been to better maintain control and ensure the best dissemination of information.

Art Unit: 2145

4. Regarding claim 165, Woo taught a method of using a computer system to distribute communication over an Internet network ("To support this need, the Yarn synchronous collaboration tool has been added to the World Wide Web to operate in conjunction with the Mosaic browser.", paragraph 1), the method including the steps of:

obtaining a respective authenticated user from a controller computer over the Internet network for respective use on each of a plurality of participator computers ("This facility allows any user with appropriate access permission to consult ... the logs of all meetings in progress ...", paragraph 10 and "Accessing a meeting document, with appropriate access controls in place, would, in effect, allow the user to join a meeting.", paragraph 8), each said participator computer connected to an input device to an output device ("Users can join the meeting via a standard Telnet client application which runs on all machines supporting TCP/IP, or via other graphical user interface (GUI) client running on X-Windows and Windows NT workstations.", paragraph 5);

programming the participator computers to enable the communication, including at least one of a sound, video, graphic or multimedia ("2. Meeting within the browser users should be able to join and converse in real-time with other participants within the browser.", paragraph 9);

connecting said participator computers to said Internet network ("When linked to the World Wide web, the Yarn client and server processes combine to provide a service called Yarn Web, which appears as a separate window on the X display.", paragraph 2);

using said authenticated user to communicate a pointer-triggered message from one said participator computers to said controller computer to an other of said

Art Unit: 2145

participator computers ("At first a static file is created with a hypertext link to a designed URL. Users are notified of a new document from Yarn Web by a message as follow:

LOG: Load document – <http://coral.it.Bond.eud.au:91776/reesm.html>.", paragraph 25);

and

using said pointer-triggered message to receive the communication at the other of said participator computers in real time over the Internet network ("User can then reload the static link page to find the hypertext link to the latest common display document.", paragraph 26). Woo does not specifically teach the authenticated user identity. However Schoof taught an authenticated user identity (column 7, lines 53-58). It would have been obvious to one of ordinary skill in the art at the time the invention was made that incorporating Schoof's authenticated user identity in Woo's Yarn Web would have improved meeting organization. The motivation would have been to better maintain control of the meeting and ensure the best dissemination of information.

5. Schoof taught the communications comprising text, graphics, video and a human communication sound (column 3, lines 50-58).

6. Schoof taught the step of arbitrating including authorizing a moderator for said communications (column 8, lines 56-68).

7. Schoof taught storing a user identity and a set of privileges in a rule base (column 7, lines 53-58).

8. Schoof taught a login name and a password (column 4, lines 35-41, column 7, lines 53-58).

Art Unit: 2145

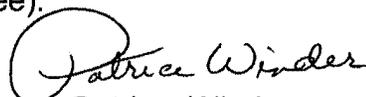
9. The language of claims 2-164, 166-949 is substantially the same as the statements made in paragraphs 3-\*\*. Therefore, claims 2-164 and 166-949 are rejected on the same rationale as paragraphs 3-\*\*, above.

### **Conclusion**

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 703-272-3935. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey can be reached on 703-272-3896. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Patrice Winder  
Primary Examiner  
Art Unit 2145

November 29, 2004

<b>Notice of References Cited</b>	Application/Control No. 09/399,578	Applicant(s)/Patent Under Reexamination MARKS, DANIEL L.	
	Examiner Patrice Winder	Art Unit 2145	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-5,440,624	08-1995	Schoof, II, C. John	379/202.01
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

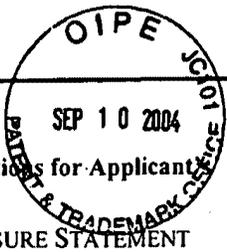
**FOREIGN PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

**NON-PATENT DOCUMENTS**

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	Tak K Woo and Michael J. Rees, A Synchronous Collaboration Tool for the World Wide Web, The Proceedings of Second International WWW Conference: Mosaic and the Web, July 1994, 10 pages
V	
W	
X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.



Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant	Applicant: Daniel L. Marks	
INFORMATION DISCLOSURE STATEMENT	Filing Date: September 20, 1999	Group: 2765-2145
(Use several sheets if necessary)		
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>plw</i>	A1	5,774,668	June 30, 1998	Choquier et al.	395	200.53	June 7, 1995
<i>plw</i>	A2	5,933,599	Aug. 3, 1999	Nolan	395	200.48	July 17, 1995
<i>plw</i>	A3	5,956,509	Sep. 21, 1999	Kevner	395	684	Aug. 18, 1995

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
<i>plw</i>	C1	"Host Extensions for IP Multicasting," <i>S. Deering</i> , Stanford University, August 1989, 16 Pages

EXAMINER:

*Patrice Winder*

DATE CONSIDERED:

*Nov. 11, 2004*

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99.1449.7.DOC)



Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"5956491".pn. and pointer	US-PGP UB; USPAT	OR	OFF	2004/11/28 17:21
L2	1	"5956491".pn. and point	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:01
L3	599	electronic near2 meeting\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:01
L4	84	l3 and (authoriz\$6 or authenticat\$6)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:11
L5	7	l4 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:11
L6	459044	form\$3 with group	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:13
L7	107760	open\$3 with channel	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:10
L8	538	l6 same (authoriz\$6 or authenticat\$6)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:14
L9	39	l7 and l8	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:11
L10	2	l9 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:12
L11	538	l8 and group\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:12

L12	89	I11 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:14
L13	30499	join\$3 with group	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:14
L14	1851	I13 and (authoriz\$6 or authentikat\$6)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:14
L15	1090	I14 and channel\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:14
L16	90	I15 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:20
L17	32621	exist\$3 with (group\$1 or meeting\$1)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:19
L18	5710	I17 and (multimedia or video or audio)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:20
L19	1154	I18 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:20
L20	659	I17 same (multimedia or video or audio)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:27
L21	126	I20 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:27
L22	700	I17 same join\$3	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:26
L23	244	I22 and (multimedia or video or audio)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:44

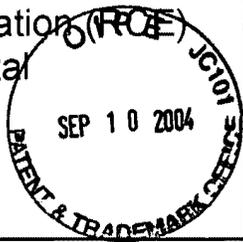
L24	31	I23 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:43
L25	1338	x\$1window\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:10
L26	26768	server\$1 same (multimedia or video or audio)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:44
L27	0	I25 and I16 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:44
L28	853	I25 and (multimedia or video or audio)	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:44
L29	0	I28 and I16 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:44
L30	27	I25 and I26 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 18:56
L31	10	("5729687").URPN.	USPAT	OR	OFF	2004/11/28 18:56
L32	1	I31 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:10
L33	74	I25 and hypermedia	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:10
L34	13	I33 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:27
L35	3393	participant\$1 same (conference\$1 or meeting\$1)	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:27

L36	37740	(audio or video) with channel\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:27
L37	716	I35 and I36	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:27
L38	161	I37 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:33
L39	12	I38 and password\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:31
L40	24	I38 and (authenticat\$6 or authoriz\$6)	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:33
L41	310	I35 and privilege\$1	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:33
L42	25	I41 and @ad<"19960401"	US-PGP UB; USPAT	OR	OFF	2004/11/28 19:33

IFW  
ACE/2153

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p align="center"><b>Request for Continued Examination Transmittal</b></p> <p>Address to: Mail Stop RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</p>	<b>Application Number</b>	09/399,578
	<b>Filing Date</b>	09/20/1999
	<b>First Named Inventor</b>	Daniel L. Marks
	<b>Art Unit</b>	2155
	<b>Examiner Name</b>	Winder, Patrice L.
	<b>Attorney Docket Number</b>	AIS-P1-99



**This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.**  
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
- a.  Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
    - i.  Consider the arguments in the Appeal Brief or Rely Brief previously filed on \_\_\_\_\_
    - ii.  Other IDS and Cited Art filed April 30, 2004.
  - b.  Enclosed
    - i.  Amendment/Reply
    - ii.  Affidavit(s)/ Declaration(s)
    - iii.  Information Disclosure Statement (IDS)
    - iv.  Other Cited Art (filed April 30, 2004)

2. **Miscellaneous**

- a.  Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b.  Other \_\_\_\_\_

3. **Fees**

- The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed. The Director is hereby authorized to charge the following fees, or credit any overpayments, to
- a.  Deposit Account No. 50-0235
    - i.  RCE fee required under 37 CFR 1.17(e)      09/13/2004 AMONDAF1 00000070 500235 09399578
    - ii.  Extension of time fee (37 CFR 1.136 and 1.17)      01 FC:2801      385.00 DA
    - iii.  Other \_\_\_\_\_
  - b.  Check in the amount of \$ \_\_\_\_\_ enclosed
  - c.  Payment by credit card (Form PTO-2038 enclosed)

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

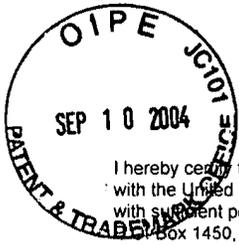
<b>Name (Print/Type)</b>	Peter K. Trzyna, Esq.	<b>Registration No. (Attorney/Agent)</b>	32,601
<b>Signature</b>		<b>Date</b>	September 8, 2004

**CERTIFICATE OF MAILING OR TRANSMISSION**

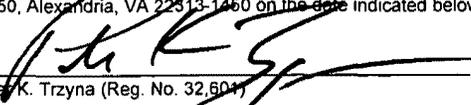
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or facsimile transmitted to the U.S. Patent and Trademark Office on the date shown below.

<b>Name (Print/Type)</b>	Peter K. Trzyna, Esq.	<b>Date</b>	September 8, 2004
<b>Signature</b>			

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**  
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

By   
Peter K. Trzyna (Reg. No. 32,601)

Date September 8, 2004

PATENT

Paper No.

Our File No. AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor : MARKS, Daniel L.  
Serial No. : 09/399,578  
Filed : 09/20/1999  
For : GROUP COMMUNICATIONS MULTIPLEXING SYSTEM  
Group Art Unit : 2155  
Examiner : WINDER, Patrice L.

---

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**RESPONSE**

SIR:

In connection with the Request for Continued Examination in the above-referenced patent application, please reconsider the application.

## II. Remarks

The Examiner is requested to reconsider the application, including making the IDS and art submitted in the filing of 30 April 2004 of record.

Applicant respectfully requests a more detailed explanation of the Sec. 102 rejection (i.e., pursuant to 35 U.S.C. Sec. 132, "the reasons for such rejection... together with such information as may be useful in judging the propriety of continuing prosecution...").

The Examiner contends in the Office Action of 28 June 2004 that Curtis (Column 14, lines 32-43) "taught the concept of 'arbitrating' who can 'send and receive' by using a membership list...." Using a membership list is not the same as using a test for an authenticated user identity. The Examiner is requested to indicate where Curtis teaches the claimed arbitrating... including a test for an authenticated user identity, to... form a group...

Applicant does not see how the Curtis discussion (Column 14, lines 32-43) of what happens when somebody tries to transmit and for some reason is not part of a group constitutes a Sec. 102 disclosure of the step in claim 1 of:

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to send and receive communications....

Identification of the Examiner's reasons and information are respectfully requested.

Additionally, the Examiner's position is contradicted by the methods and notifications illustrated in Tables 1 through 7 of Curtis, none of which indicate any authentication; the Examiner's information is also respectfully requested on this point.

Further, if the rejection is maintained, no reason or information has been provided with respect to claims other than claim 1, and many other claim requirements are not

mentioned in Curtis. Sec. 132 requires "the reasons for such rejection... together with such information as may be useful in judging the propriety of continuing prosecution..."

In sum, it is respectfully submitted that the rejection is improper and anticipation under the requirements of Sec. 102 have not been shown. If the rejection is maintained, an interview is respectfully requested.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

Date: September 8, 2004

P. O. Box 7131  
Chicago, Illinois 60680-7131

(312) 240-0824



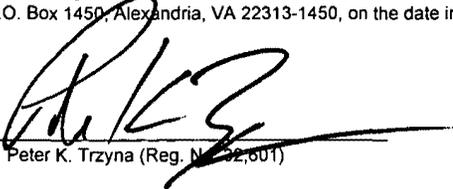
I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

PATENT

Paper No.

File: AIS-P1-99

Signed:

  
Peter K. Trzyna (Reg. No. 22,601)

Date: September 8, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**PETITION FOR EXTENSION OF TIME**

S I R :

This is a Petition for Extension of Time for three months to respond to the Office Action Mailed on April 8, 2004, in the above-referenced patent application. If additional time is necessary, this Petition is to be deemed a Petition for such time as necessary to accept the Request for Continued Examination filed herewith.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

09/13/2004 AWONDAF1 00000140 500235 09399578

01 FC:2253 475.00 DA

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'P. K. Trzyna', written over a horizontal line.

Peter K. Trzyna  
(Reg. No. 32,601)

Date: September 8, 2004

P.O. Box 7131  
Chicago, IL 60680-7131

(312) 240-0824



I hereby certify that this correspondence is being filed by depositing it in the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22303-1450 on the date indicated below.

PATENT

Paper No.

By *[Signature]*  
Peter K. Trzyna (Reg. No. 32,661)

File: AIS-P99-1

Date September 8, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

**I. COMMENT ON THE ENCLOSED ART**

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. § 1.56, exists.

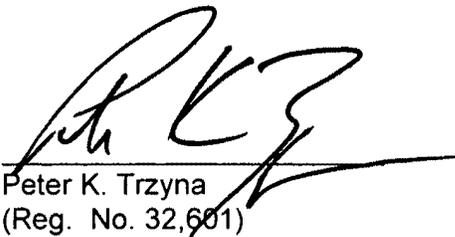
**II. FEE**

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

**III. SIGNATURE**

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

Date: September 8, 2004

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

Form PTO-1449 (modified)	Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant	Applicant: Daniel L. Marks	
INFORMATION DISCLOSURE STATEMENT	Filing Date: September 20, 1999	Group: 2765
(Use several sheets if necessary)		
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,774,668	June 30, 1998	Choquier et al.	395	200.53	June 7, 1995
	A2	5,933,599	Aug. 3, 1999	Nolan	395	200.48	July 17, 1995
	A3	5,956,509	Sep. 21, 1999	Kevner	395	684	Aug. 18, 1995

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Host Extensions for IP Multicasting," <i>S. Deering</i> , Stanford University, August 1989, 16 Pages

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99.1449.7.DOC)



I hereby certify that this correspondence is being filed by depositing it with the United States Postal Service as first class mail in an envelope with postage pre-paid and addressed to MS. RCE, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22303-1450 on the date indicated below.

By *Peter K. Trzyna*  
Peter K. Trzyna (Reg. No. 32,601)

Date September 8, 2004

PATENT

Paper No.

File: AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

---

Inventor : MARKS, Daniel L.  
Serial No. : 09/399,578  
Filed : 09/20/1999  
For : GROUP COMMUNICATIONS MULTIPLEXING SYSTEM  
Group Art Unit : 2155  
Examiner : WINDER, Patrice L.

---

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

1. Request for Continued Examination Transmittal;
2. Petition for Extension of Time;
3. Response;
4. Information Disclosure Statement; and
5. PTO Form 1449 and Cited Art.

The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application or credit any overcharges to Deposit Account No. 50-0235.

If any extension of time is deemed necessary to respond, this communication shall be deemed a request therefore.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Peter K. Trzypa', written over a horizontal line.

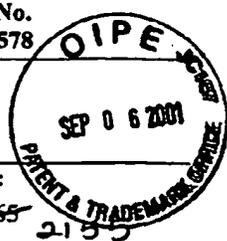
Peter K. Trzypa  
(Reg. No. 32,601)

Date: September 8, 2004

P. O. Box 7131  
Chicago, Illinois 60680-7131

(312) 240-0824

#9



Form PTO-1449 (modified)		Atty. Docket No. AIS-P1-99	Serial No. 09/399578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT		Applicant: Daniel L. Marks	
(Use several sheets if necessary)		Filing Date: September 20, 1999	Group: 2765-2155
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1	

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>plus</i>	A1	5,008,853	Apr. 16, 1991	Representation of Collaborative Multi-User Activities Relative to Shared Structured Data Objects in a Networked Workstation Environment	<del>364</del>	<del>900</del>	Dec. 2, 1987 <b>RECEIVED</b> SEP 10 2001 Technology Center 2100
<i>plus</i>	A2	5,528,671	Jan. 18, 1996	Network Control System	<del>379</del>	<del>93</del>	Sep. 11, 1990

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	
	C2	

EXAMINER: <i>Patrice L. Winder</i>	DATE CONSIDERED: <i>Feb. 10, 2003</i>
EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99.1449)



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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 06/28/2004  
PETER K TRZYNA  
P.O.BOX 7131  
CHICAGO, IL 606807131

EXAMINER

WINDER, PATRICE L

ART UNIT PAPER NUMBER

2155

DATE MAILED: 06/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action**

<b>Application No.</b> 09/399,578	<b>Applicant(s)</b> MARKS, DANIEL L.	
<b>Examiner</b> Patrice Winder	<b>Art Unit</b> 2155	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 30 April 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

**PERIOD FOR REPLY [check either a) or b)]**

- a)  The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

- 1.  A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
- 2.  The proposed amendment(s) will not be entered because:
  - (a)  they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b)  they raise the issue of new matter (see Note below);
  - (c)  they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d)  they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_.

- 3.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
- 4.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
- 5.  The a)  affidavit, b)  exhibit, or c)  request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
- 6.  The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
- 7.  For purposes of Appeal, the proposed amendment(s) a)  will not be entered or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_.

Claim(s) objected to: \_\_\_\_\_.

Claim(s) rejected: \_\_\_\_\_.

Claim(s) withdrawn from consideration: \_\_\_\_\_.

- 8.  The drawing correction filed on \_\_\_\_\_ is a)  approved or b)  disapproved by the Examiner.
- 9.  Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). 043004.
- 10.  Other: \_\_\_\_\_



Patrice Winder  
Primary Examiner  
Art Unit: 2155

Continuation of 5. does NOT place the application in condition for allowance because: The limitation in question refers to the "controller "arbitrating" who can "send and receive", which Curtis teaches. For example, Curtis taught the concept of "arbitrating" who can "send and receive" by using the membership list to determine whether a potential clients transmitter or receiver is eligible for participation in the communication session. (See column 14, lines 32-43). The IDS submitted with the request for reconsideration can not be considered because it lacks a statement in regard to 1.97. Applicant might be able to properly submit the evidence portion of the IDS in an affidavit.

Form PTO-1449 (modified)	Atty. Docket No. AIS-PI-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT	Applicant: Daniel L. Marks #36	
	Filing Date: September 20, 1999	Group: 2765-2155
(Use several sheets if necessary)		
U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,774,668	June 30, 1998	Choquier, et al.	395	200:53	June 7, 1995
	A2	5,933,599	Aug. 3, 1999	Nolan	395	200:48	July 17, 1995
	A3	5,956,509	Sep. 21, 1999	Kevner	395	684	Aug. 18, 1995

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Host-Extensions for IP Multicasting," S. Deering, Stanford University, August 1989, 16 Pages

EXAMINER: Patricia Winder DATE CONSIDERED: 6-24-04

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609: DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 3644R(AIS-PI-99.1+19.7.DOC)



(m)

2155

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By [Signature]  
Peter K. Trzyna (Reg. No. 32,601)

Date April 30, 2004

PATENT

Paper No.

Our File No. AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor : MARKS, Daniel L.  
 Serial No. : 09/399,578  
 Filed : 09/20/1999  
 For : GROUP COMMUNICATIONS MULTIPLEXING SYSTEM  
 Group Art Unit : 2155  
 Examiner : WINDER, Patrice L.

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 Technology Center 2100

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**RESPONSE**

S I R :

In response to the Office Action mailed 04/08/04 in the above-referenced patent application, please reconsider the application in view of the remarks set forth below.

The undersigned wishes to express particular appreciation to the Examiner for consideration of the extensive art of record, for the Examiner's search, and for the examination of the application. The Examiner is requested to reconsider the application.

In the Office Action, claims 1-949 have been rejected pursuant to 35 U.S.C. Sec. 102. Generally, the Examiner contends that claims 1-949 are anticipated by U.S. Patent No. 6,560,707 (Curtis) in contentions more precisely set out in paragraph 2 of the Office Action.

In response, it is respectfully submitted that the Sec. 102 rejection is defective because the cited art does not disclose all claim requirements.

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For example, consider claim 1 *vis-a-vis* Curtis. Curtis's "'multicast' transmission over network 8 is analogous to radio broadcasts performed using a radio transmitter" (Col. 6, lines 19-21) in which "eavesdroppers...are able to 'listen in'" (Col. 8, lines 66-67). Thus, Curtis does not teach, and indeed contradicts, a system of arbitrating with the controller computer... to determine which ones of the participator computers can... send and receive communications.

Note further that unlike the claim requirement, Curtis teaches:

"Since multicasting operates in a manner similar to radio broadcasting, a user is able to 'listen in' on AV data even if that user is not intended or entitled to receive the data, or is remote from the sender or the sender's intended recipients."

Col. 8, lines 30-35.

Consequently, Curtis teaches "encryption" (Col. 8, lines 36-46) in a multicast system which controls who is "able to decode" (Col. 8, lines 45-46) but not who can send and receive. Therefore Curtis does not anticipate as contended by the Examiner in the Office Action.

The Examiner is requested to make of record and consider the enclosed evidence "Host Extensions for IP Multicasting" which contradicts the rejection based on a multicast system. This teaches at page 16 that

a host cannot assume that datagrams sent to any host group address will reach only the intended hosts, or that datagrams received as a member of a transient host group are intended for the recipient.

Other contentions of the Examiner are respectfully traversed as contrary to the teaching of Curtis (e.g., moderator, censoring, etc., are not mentioned in Curtis), though in any case, Curtis does not anticipate claims 1-949.

The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the

above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and if any extension of time is needed to reply to said office action, this shall be deemed a petition therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

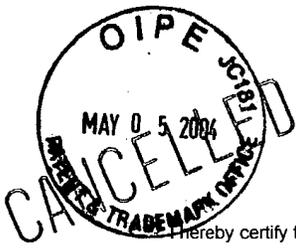
Date: April 30, 2004

  
Peter K. Trzyna  
(Reg. No. 32,601)

P. O. Box 7131  
Chicago, Illinois 60680-7131

(312) 240-0824

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2155

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By *Peter K. Trzyna*  
Peter K. Trzyna (Reg. No. 32,601)

Date April 30, 2004

PATENT

Paper No.

Our File No. AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Technology Center 2100

Inventor : Daniel L. Marks

Serial No. : 09/399,578

Filed : September 20, 1999

For : GROUP COMMUNICATIONS MULTIPLEXING SYSTEM

Group Art Unit : 2155

Examiner : P. Winder

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

SIR:

Transmitted herewith for filing in the above-identified patent application is the following:

1. Response;
2. Information Disclosure Statement; and
3. PTO 1449 and Cited Art.

**APPLICANT CLAIMS LARGE ENTITY STATUS.** The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application

or credit any overcharges to Deposit Account No. 50-0235.

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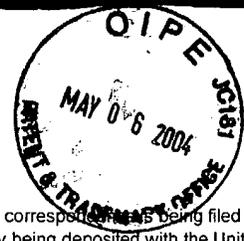
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Date: April 30, 2004

  
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(Reg. No. 32,601)

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(312) 240-0824

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By *[Signature]*  
Peter K. Trzyna (Reg. No. 32,601)

Date April 30, 2004

PATENT

Paper No.

File: AIS-P99-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor : Daniel L. Marks  
 Serial No. : 09/399,578  
 Filed : September 20, 1999  
 For : GROUP COMMUNICATIONS MULTIPLEXING SYSTEM  
 Group Art Unit : 2155  
 Examiner : P. Winder

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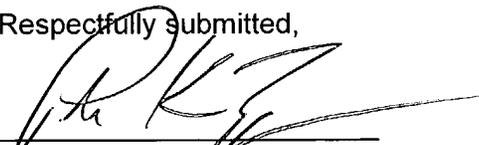
**III. SIGNATURE**

The patent attorney signs below based on information from the inventor's and the attorney's file.

Date: April 30, 2004

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

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Form PTO-1449 (modified)

Atty. Docket No. AIS-P1-99

Serial No.  
09/339,578List of Patents and Publications for Applicant's  
INFORMATION DISCLOSURE STATEMENT

Applicant: Daniel L. Marks

Filing Date:  
September 20, 1999Group:  
2765

(Use several sheets if necessary)

U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page 1*Other Art  
*See Page 1*

## U.S. Patent Documents

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EXAMINER:

DATE CONSIDERED:

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

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Regular Correspondence:  
195 North Harbor Drive, Suite 5403, Chicago Illinois 60601-7540

Docketed Correspondence:  
Post Office Box 7131, Chicago Illinois 60680-7131

**Peter K. Trzyna, Esq.**

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

# Fax

<b>To:</b> Examiner Patrice Winder	<b>Re:</b> 09/399,578 Pat No. 5,774,668
<b>Firm:</b> United States Patent and Trademark Office	<b>Date / Time:</b> April 30, 2004
<b>Street Address:</b>	<b>Phone:</b> (703) 305-3938
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 746-7239
<b>cc:</b>	<b>No. of Pages:</b> 33 (including cover)

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Docketed Correspondence:  
Post Office Box 7131, Chicago Illinois 60680-7131

**Peter K. Trzyna, Esq.**

Telephone: (312) 240-0824 Facsimile: (312) 240-0825

E-mail: pktlaw@email.msn.com

# Fax

<b>To:</b> Examiner Patrice Winder	<b>Re:</b> 09/399,578 Response
<b>Firm:</b> United States Patent and Trademark Office	<b>Date / Time:</b> April 30, 2004
<b>Street Address:</b>	<b>Phone:</b> (703) 305-3938
<b>City, State Zip:</b> Washington, D.C., 20231	<b>Fax:</b> (703) 746-7239
<b>cc:</b>	<b>No. of Pages:</b> 25 (including cover)

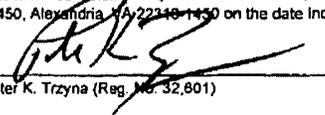
PRIVACY AND CONFIDENTIALITY NOTICE

The information contained in this communication is confidential and may be legally privileged. It is intended solely for the use of the individual or entity to whom it is addressed and other authorized to receive it. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or taking of any action in reliance on the contents of this information is strictly prohibited. If you received this communication in error, please immediately notify us by a collect telephone call to the writer at the writer's direct number indicated above, and return the original message and documents to the sender at the above address via the United States postal service.

**Message:**

Attached is a Transmittal Letter, Response, Information Disclosure Statement, PTO Form 1449, and the article cited on the 1449. Please note that each patent cited on the 1449 will be sent in separate faxes.

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22314-1450 on the date indicated below.

By   
Peter K. Trzyna (Reg. No. 32,801)

Date April 30, 2004

PATENT

Paper No.

Our File No. AIS-P99-1

**RECEIVED**  
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MAY 06 2004

**OFFICIAL**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**TRANSMITTAL LETTER**

S I R :

Transmitted herewith for filing in the above-identified patent application is the following:

1. Response;
2. Information Disclosure Statement; and
3. PTO 1449 and Cited Art.

**APPLICANT CLAIMS LARGE ENTITY STATUS.** The Commissioner is hereby authorized to charge any fees associated with the above-identified patent application

or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given below.

Respectfully submitted,

Date: April 30, 2004

  
Peter K. Trzyna  
(Reg. No. 32,601)

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

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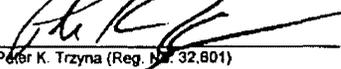
MAY 06 2004

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PATENT

Paper No.

Our File No. AIS-P99-1

By   
Peter K. Trzyna (Reg. No. 32,801)

Date April 30, 2004

#37  
LJS  
5-14-04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

RESPONSE

S I R :

In response to the Office Action mailed 04/08/04 in the above-referenced patent application, please reconsider the application in view of the remarks set forth below.

The undersigned wishes to express particular appreciation to the Examiner for consideration of the extensive art of record, for the Examiner's search, and for the examination of the application. The Examiner is requested to reconsider the application.

In the Office Action, claims 1-949 have been rejected pursuant to 35 U.S.C. Sec. 102. Generally, the Examiner contends that claims 1-949 are anticipated by U.S. Patent No. 6,560,707 (Curtis) in contentions more precisely set out in paragraph 2 of the Office Action.

In response, it is respectfully submitted that the Sec. 102 rejection is defective because the cited art does not disclose all claim requirements.

For example, consider claim 1 *vis-a-vis* Curtis. Curtis's "multicast" transmission over network 8 is analogous to radio broadcasts performed using a radio transmitter" (Col. 6, lines 19-21) in which "eavesdroppers...are able to 'listen in'" (Col. 8, lines 66-67). Thus, Curtis does not teach, and indeed contradicts, a system of arbitrating with the controller computer... to determine which ones of the participator computers can... send and receive communications.

Note further that unlike the claim requirement, Curtis teaches:

"Since multicasting operates in a manner similar to radio broadcasting, a user is able to 'listen in' on A/V data even if that user is not intended or entitled to receive the data, or is remote from the sender or the sender's intended recipients."

Col. 8, lines 30-35.

Consequently, Curtis teaches "encryption" (Col. 8, lines 36-46) in a multicast system which controls who is "able to decode" (Col. 8, lines 45-46) but not who can send and receive. Therefore Curtis does not anticipate as contended by the Examiner in the Office Action.

The Examiner is requested to make of record and consider the enclosed evidence "Host Extensions for IP Multicasting" which contradicts the rejection based on a multicast system. This teaches at page 16 that

a host cannot assume that datagrams sent to any host group address will reach only the intended hosts, or that datagrams received as a member of a transient host group are intended for the recipient.

Other contentions of the Examiner are respectfully traversed as contrary to the teaching of Curtis (e.g., moderator, censoring, etc., are not mentioned in Curtis), though in any case, Curtis does not anticipate claims 1-949.

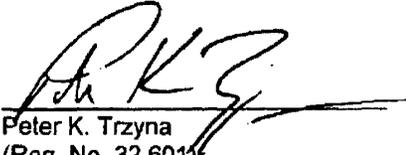
The application is believed to be in condition for allowance, and favorable action is requested. If the prosecution of this case can be in any way advanced by a telephone discussion, the Examiner is requested to call the undersigned at (312) 240-0824.

The Commissioner is hereby authorized to charge any fees associated with the

above-identified patent application or credit any overcharges to Deposit Account No. 50-0235, and ,  
if any extension of time is needed to reply to said office action, this shall be deemed a petition  
therefor. Please direct all communication to the undersigned at the address given below.

Respectfully submitted,

Date: April 30, 2004

  
Peter K. Trzyna  
(Reg. No. 32,601)

P. O. Box 7131  
Chicago, Illinois 60680-7131

(312) 240-0824

I hereby certify that this correspondence is being filed by facsimile with a confirmation copy being deposited with the United States Postal Service as first class mail in an envelope with sufficient postage and addressed to MS: Fee Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.

PATENT

Paper No.

File: AIS-P99-1

#36  
LDD  
S-14-04

By [Signature]  
Peter K. Trzyna (Reg. No. 32,800)

Date April 30, 2004

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**

S I R :

This Information Disclosure Statement is being filed pursuant to the duty of disclosure, candor, and good faith embodied in 37 C.F.R. §§ 1.56 and 1.97 owed by the inventor, the inventor's assignee substantively involved in the application, and the patent attorney to the United States Patent and Trademark Office. In those cases from which the instant case claims priority, Applicant has previously submitted patents, publications, and/or other information of which the inventor is aware to help make this information of record. The Examiner is reminded to check those files for such materials.

0939578  
05/14/2004 LJOHNSON 00000001 500235  
01 FC:1806 180.00 DA

**I. COMMENT ON THE ENCLOSED ART**

The section of the patent application subtitled "Background of the Invention" identifies material believed to be material to, or of interest in, the examination of the application and provides a concise explanation of the material. This Information Disclosure Statement transmits copies of information which the undersigned respectfully requests the Examiner to consider in the examination of the application.

While the Information Disclosure Statement, publications, and other information provided by Applicant may be "material" pursuant to 37 C.F.R. §§ 1.56, it is not intended that these constitute an admission of "prior art" for this invention. This Information Disclosure Statement shall not be construed to mean that no other material information, as defined in 37 C.F.R. §§ 1.56, exists.

**II. FEE**

Should any fees be deemed necessary, the Commissioner is authorized to charge any deficiency or to credit any over payment to Deposit Account No. 50-0235.

**III. SIGNATURE**

The patent attorney signs below based on information from the inventor's and the attorney's file.

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

Date: April 30, 2004

P.O. Box 7131  
Chicago, IL 60680-7131  
(312) 240-0824

Form PTO-1449 (modified)		Atty. Docket No. AIS-P1-99	Serial No. 09/339,578
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT		Applicant: Daniel L. Marks #36	
		Filing Date: September 20, 1999	Group: 2765
(Use several sheets if necessary)			
U.S. Patent Documents See Page 1		Foreign Patent Documents See Page 1	Other Art See Page 1

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
	A1	5,774,668	June 30, 1998	Choquier et al.	395	200.53	June 7, 1995
	A2	5,933,599	Aug. 3, 1999	Nolan	395	200.48	July 17, 1995
	A3	5,956,509	Sep. 21, 1999	Kevner	395	684	Aug. 18, 1995

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

**Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C1	"Host Extensions for IP Multicasting," S. Deering, Stanford University, August 1989, 16 Pages

**EXAMINER:**

**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

C: 56468(AIS-P1-99,1449,7.doc)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427
	7590 04/08/2004		EXAMINER WINDER, PATRICE L	
PETER K TRZYNA P.O.BOX 7131 CHICAGO, IL 606807131			ART UNIT      PAPER NUMBER 2155      35	
DATE MAILED: 04/08/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/399,578	<b>Applicant(s)</b> MARKS, DANIEL L.
	<b>Examiner</b> Patrice Winder	<b>Art Unit</b> 2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE \_\_\_\_\_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1)  Responsive to communication(s) filed on 03 October 2003.
- 2a)  This action is **FINAL**.                      2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4)  Claim(s) 1-949 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) \_\_\_\_\_ is/are allowed.
- 6)  Claim(s) 1-949 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All    b)  Some \*    c)  None of:
    - 1.  Certified copies of the priority documents have been received.
    - 2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    - 3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.
- 4)  Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-949 are rejected under 35 U.S.C. 102(e) as being anticipated by Curtis et al., USPN 6,560,707 B2 (hereafter referred to as Curtis).

Regarding claim, Curtis taught a method of using computers to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network (column 5, lines 35-37, column 6, lines 1-3), each of said participator computer connected to an input device and to an output device (column 5, lines 49-52); arbitrating with the controller computer, in accordance with predefined rules including a for an authenticated user identity, to determine which ones of the participator computers can form a group to send and receive communication (column 5, lines 53-60, column 8, lines 40-58); and

sending and receiving communications in real time over the Internet network between said participator computers in said group, some of said communications including a respective video, a graphic or a point-triggered message (column 5, lines 33-34).

Art Unit: 2155

Regarding dependent claims:

Curtis taught a point triggered message, a human communication sound, a graphic, a video and text or ascii (column 5, lines 33-34, column 6, lines 40-42, column 6, line 55-~~67~~).

Curtis taught the step of arbitrating with the controller computer to determine which of the participator computer can communicate a human communication sound, a graphic, a video and text or ascii (column 8, lines 40-58).

Curtis taught the step of arbitrating including authorizing a moderator for said communications (column 8, lines 40-58).

Curtis taught the step of arbitrating including censoring responsive to at least one of said user identity, group and content (column 8, lines 40-58).

Claims 1-949 are rejected on the rationale set forth, above.

### ***Conclusion***

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

Art Unit: 2155

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrice Winder whose telephone number is 703-305-3938. The examiner can normally be reached on Monday-Friday, 10:30 am-7:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 703-308-3662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Patrice Winder  
Primary Examiner  
Art Unit 2155

plw

<b>Notice of References Cited</b>	Application/Control No. 09/399,578	Applicant(s)/Patent Under Reexamination MARKS, DANIEL L.	
	Examiner Patrice Winder	Art Unit 2155	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,560,707 B2	05-2003	Curtis et al.	713/163
B	US-			
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

**FOREIGN PATENT DOCUMENTS**

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N					
O					
P					
Q					
R					
S					
T					

**NON-PATENT DOCUMENTS**

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	
V	
W	
X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

*[Handwritten Signature]*



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/399,578	09/20/1999	DANIEL L. MARKS	AIS-P99-1	2427

7590 04/08/2004  
PETER K TRZYNA  
P.O.BOX 7131  
CHICAGO, IL 606807131

EXAMINER

WINDER, PATRICE L

ART UNIT	PAPER NUMBER
2155	35

2155

35

DATE MAILED: 04/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



## DETAILED ACTION

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Art Unit: 2155

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Art Unit: 2155

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Patrice Winder  
Primary Examiner  
Art Unit 2155

plw

L Number	Hits	Search Text	DB	Time stamp
1	1	5956491.pn. and internet	USPAT; US-PGPUB	2004/04/05 10:38
2	0	5956491.pn. and real\$1time	USPAT; US-PGPUB	2004/04/05 10:41
3	3474	internet same conferenc\$3	USPAT; US-PGPUB	2004/04/05 10:38
4	0	5956491.pn. and realtime	USPAT; US-PGPUB	2004/04/05 10:41
5	1	5956491.pn. and real adj2 time	USPAT; US-PGPUB	2004/04/05 10:47
6	2696	(internet same conferenc\$3) and video	USPAT; US-PGPUB	2004/04/05 10:47
7	67	((internet same conferenc\$3) and video) and @ad<19960401	USPAT; US-PGPUB	2004/04/05 11:01
8	1751	videoconferenc\$3	USPAT; US-PGPUB	2004/04/05 11:01
9	974	videoconferenc\$3 and internet	USPAT; US-PGPUB	2004/04/05 11:01
10	25	(videoconferenc\$3 and internet) and @ad<19960401	USPAT; US-PGPUB	2004/04/05 11:01
13	1	6560707.pn. and server\$1	USPAT; US-PGPUB	2004/04/05 11:12



03-10-04

GAU 2155

Express Mail" mailing label number ER371963408US  
I, Peter K. Trzyna (Reg. No. 32, 601), hereby certify that this paper  
or fee is being deposited with the United States Postal Service  
"Express Mail Post Office to Addressee" service under 37 CFR 1.10  
on the date indicated below and is addressed to MS Fee Amendment,  
Commissioner of Patents and Trademarks, P.O. Box 1450  
Alexandria, VA 22313-1450 on the date set forth below:

Signed: [Signature]  
Peter K. Trzyna (Reg. No. 32, 601)

Date: 9 March 2004

PATENT

Paper No.

File: AIS-P99-1

#34/I  
LDJ  
4-5-04  
entered

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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MAR 11 2004

Technology Center 2100

Inventor	:	Daniel L. Marks
Serial No.	:	09/399,578
Filed	:	September 20, 1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	P. Winder

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

TRANSMITTAL LETTER

S I R :

Transmitted herewith for filing in the above-identified patent application is  
the following:

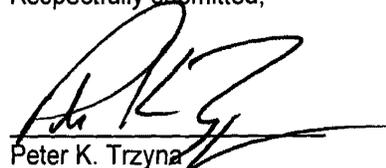
1. Amendment; and
2. Clean Version of the Claims.

**APPLICANT CLAIMS LARGE ENTITY STATUS.** The Commissioner is  
hereby authorized to charge any fees associated with the above-identified patent application  
or credit any overcharges to Deposit Account No. 50-0235.

Please direct all correspondence to the undersigned at the address given

below.

Respectfully submitted,



Peter K. Trzyna  
(Reg. No. 32,601)

Date: March 9, 2004

P.O. Box 7131  
Chicago, IL 60680-7131  
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"Express Mail" mailing label number ER371963408US  
 Peter K. Trzyzna (Reg. No. 32, 601), hereby certify that this paper  
 of fee is being deposited with the United States Postal Service  
 "Express Mail Post Office to Addressee" service under 37 CFR 1.10  
 on the date indicated below and is addressed to MS Fee Amendment,  
 Commissioner of Patents and Trademarks, P.O. Box 1450  
 Alexandria, VA 22313-1450 on the date set forth below:

Signed: *[Signature]*  
 Peter K. Trzyzna (Reg. No. 32,601)  
 Date: March 2004

PATENT

Paper No.

File: AIS-P99-1

# 34

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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Inventor	:	MARKS, Daniel L.
Serial No.	:	09/399,578
Filed	:	09/20/1999
For	:	GROUP COMMUNICATIONS MULTIPLEXING SYSTEM
Group Art Unit	:	2155
Examiner	:	WINDER, Patrice L.

**RECEIVED**

Honorable Commissioner of Patents  
 and Trademarks  
 Washington, D.C. 20231

MAR 11 2004  
 Technology Center 2100

**AMENDMENT**

S I R :

Please enter the following Amendment, including amending existing claims and  
 adding the new claims, as set forth below; and reconsider the patent application in view thereof.

I. In The Claims

1. (currently amended) A method ~~for~~ of using computers to communicate over an Internet network, the method including the steps of:

connecting a plurality of participator computers with a controller computer through the Internet network, each said participator computer connected to an input device and to an output device; and

arbitrating with the controller computer, in accordance with predefined rules including a test for an authenticated user identity, to determine which ones of the participator computers can form a group to send and receive communications ~~in real time over the Internet,~~ ; and

sending and receiving said communications in real time over the Internet network between said participator computers in said group, some of said communications including a ~~human sound,~~ a respective video, a graphic, or a pointer-triggered message, ~~or a combination thereof.~~

2. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said pointer-triggered communication message.

3. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said pointer-triggered communication message and said sound and said graphic and further comprising a human communication sound.

4. (currently amended) The method of claim 1, wherein the steps of

arbitrating sending and receiving are is carried out with one of said communications comprising  
said pointer-triggered ~~communication~~ message and said video and said graphic.

5. (currently amended) The method of claim 1, wherein the steps of  
arbitrating sending and receiving are is carried out with one of said communications further  
comprising said a human communication sound.

6. (currently amended) The method of claim 1, wherein the steps of  
arbitrating sending and receiving are is carried out with one of said communications comprising  
~~said sound and said video~~ and further comprising a human communication sound.

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7. (currently amended) The method of claim 1, wherein the steps of  
arbitrating sending and receiving are is carried out with one of said communications comprising  
~~said sound and said graphic~~ and further comprising a human communication sound.

8. (currently amended) The method of claim 1, wherein the steps of  
arbitrating sending and receiving are is carried out with one of said communications comprising  
~~said sound and said pointer-triggered communication~~ message and further comprising a human  
communication sound.

9. (currently amended) The method of claim 1, wherein the steps of  
arbitrating sending and receiving are is carried out with one of said communications further  
comprising a human communication ~~said sound,~~ and ~~wherein some of said communications~~  
include text or ascii.

10. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said video.

11. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said video and said graphic.

12. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said video and said pointer-triggered ~~communication~~ message.

13. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said video, ~~and wherein some of said communications include including~~ and further comprising text or ascii.

14. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said graphic.

15. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said graphic and said pointer-triggered ~~communication~~ message.

16. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said graphic, and wherein some of said communications include and further comprising text or ascii.

17. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video and said graphic and further comprising a human communication sound.

18. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video and said pointer-triggered communication message and further comprising a human communication sound.

19. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video, and wherein some of said communications include and further comprising a human communication sound and text or ascii.

20. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video and said graphic and said pointer-triggered communication message and further comprising a human communication sound.

21. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video and said pointer-triggered communication message and further comprising a human communication sound, and wherein some of said communications include text or ascii.

22. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising said sound and said video and said graphic and said pointer-triggered communication message, and wherein some of said communications include and further comprising a human communication sound and text or ascii.

23. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications further comprising some of said communications include text or ascii.

24. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising the communication including said sound and said graphic, and wherein some of said communications include and further comprising a human communication sound and text or ascii.

25. (currently amended) The method of claim 1, wherein the steps of arbitrating sending and receiving are is carried out with one of said communications comprising the communication including said graphic and said video, and wherein some of said

~~communications include and further comprising~~ text or ascii.

26. (currently amended) The method of claim 1, wherein the steps of ~~arbitrating~~ sending and receiving are is carried out with one of said communications comprising said pointer-triggered message, ~~and wherein some of said communications include and further comprising~~ text or ascii.

27. (currently amended) The method of claim 1, wherein the steps of ~~arbitrating~~ sending and receiving are is carried out with one of said communications comprising said pointer-triggered message and said video, ~~and wherein some of said communication include and further comprising~~ text or ascii.

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28. (currently amended) The method of claim 1, wherein the steps of ~~arbitrating~~ sending and receiving are is carried out with one of said communications comprising said video and said graphic and said sound, ~~and wherein some of said communications include and further comprising a human communication sound and~~ text or ascii.

29. (currently amended) The method of claim 1, wherein the steps of ~~arbitrating~~ sending and receiving are is carried out with one of said communications comprising said pointer-triggered message and said sound, ~~and wherein some of said step communications include and further comprising a human communication sound and~~ text or ascii.

30. (currently amended) The method of claim 1, wherein the steps of ~~arbitrating~~ sending and receiving are is carried out with one of said communications comprising