

United States Patent [19]

Rossmann

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[54] **METHOD AND ARCHITECTURE FOR AN INTERACTIVE TWO-WAY DATA COMMUNICATION NETWORK**

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[73] Assignee: **Unwired Planet, Inc.**, Redwood Shores, Calif.

[21] Appl. No.: **570,210**

[22] Filed: **Dec. 11, 1995**

[51] Int. Cl.⁶ **H04Q 7/20**

[52] U.S. Cl. **455/422; 455/426; 455/31.3; 455/31.2; 370/352; 370/383; 379/67; 379/89**

[58] Field of Search 370/352, 383, 370/389, 390, 392, 401; 379/67, 89, 93.07, 93.08, 93.25, 100, 100.11, 114, 201, 207; 455/422, 414, 552, 426, 466, 31.2, 31.3, 550, 557, 575, 556, 564, 566; 364/514 R

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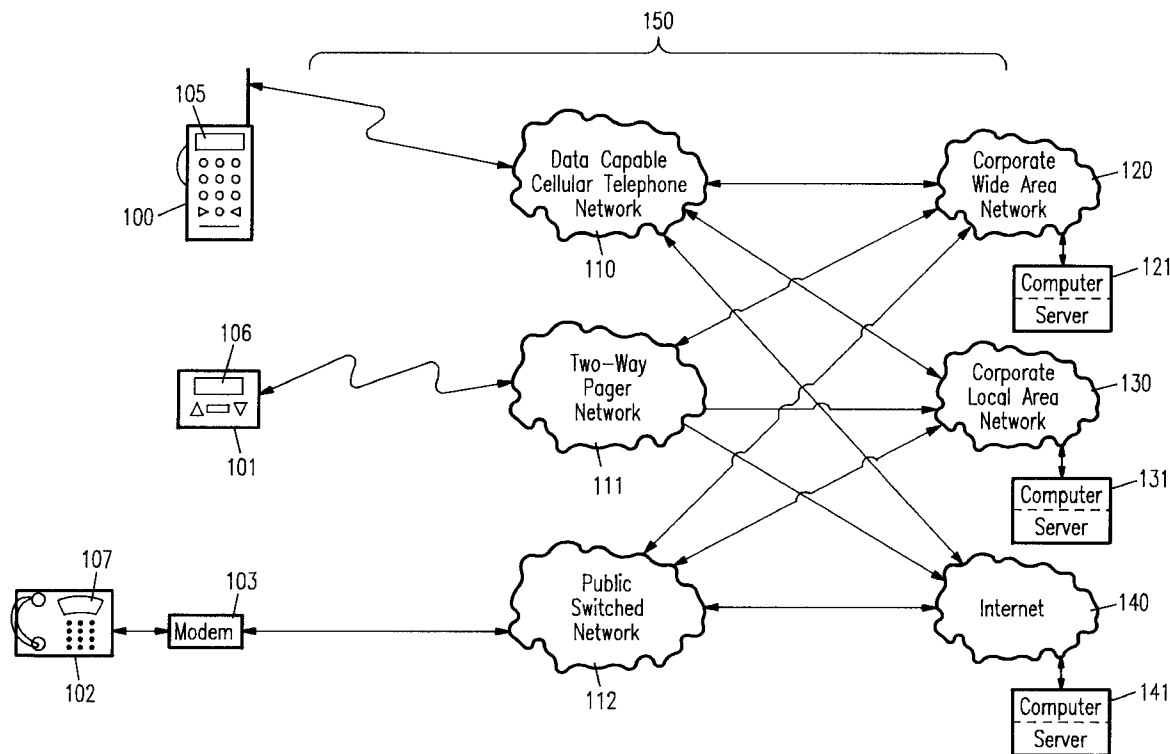
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Assistant Examiner—Keith Ferguson
Attorney, Agent, or Firm—Skjerven, Morrill, MacPherson, Franklin, & Friel LLP; Forrest E. Gunnison

[57] ABSTRACT

A two-way data communication device such as a data ready cellular telephone, a two-way pager, or a telephone communicates via a two-way data communication network with a server computer on a computer network that has an interface to the two-way data communication network, i.e., is coupled to the two-way data communication network. For example, the computer network can be a corporate wide area network, a corporate local area network, the Internet, or any combination of computer networks. The two-way data communication device utilizes a client module to transmit message including a resource selector chosen by the user to a server on a server computer on the computer network. The server processes the message and transmits a response over the two-way data communication network to the client module. The client module interprets the response and presents the response to the user via a structured user interface. Alternatively, the user transmits a request that directs the server to transmit the response to the request to another location or to another user.

54 Claims, 36 Drawing Sheets



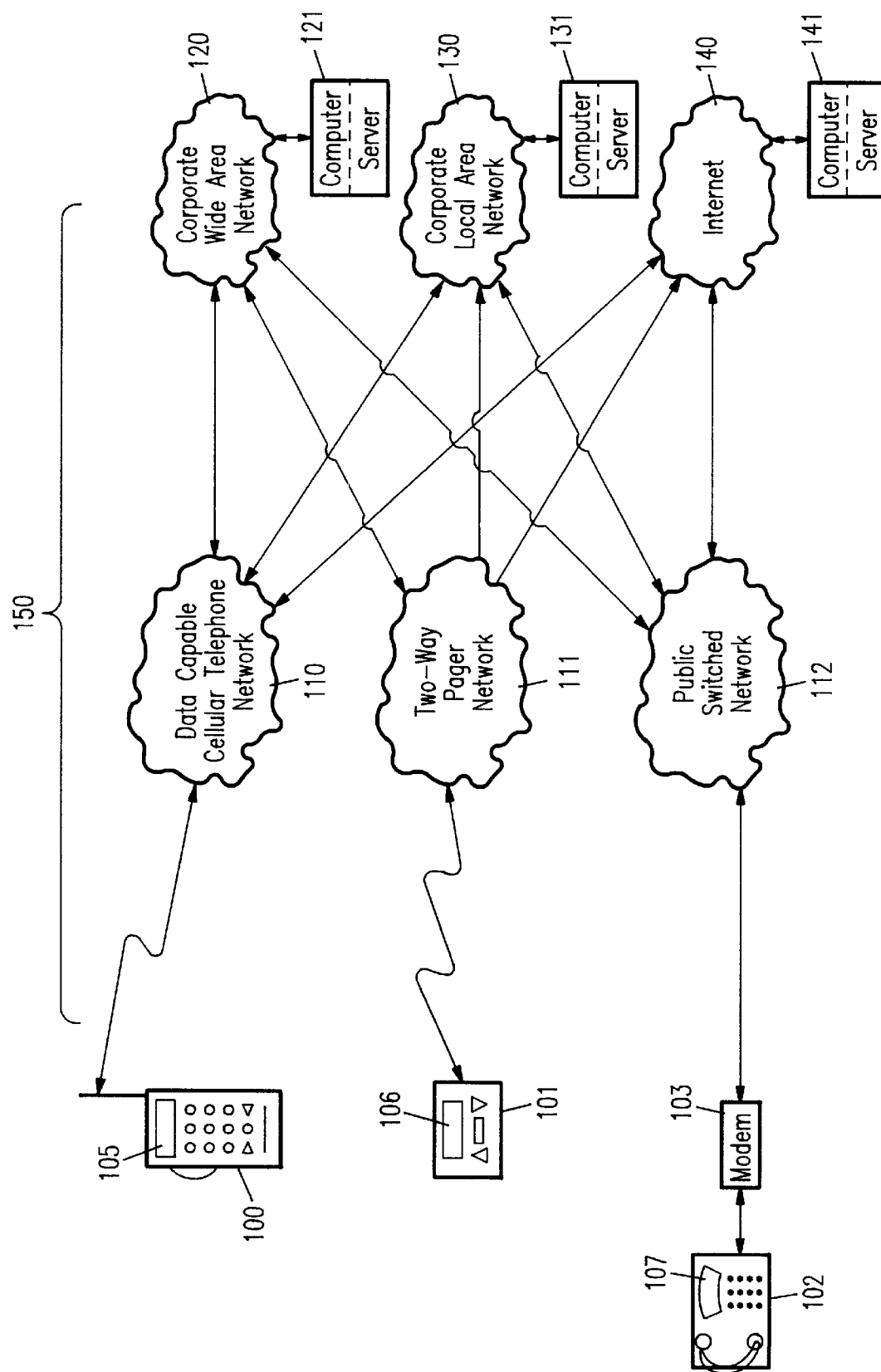


FIG. 1

FIG. 2A

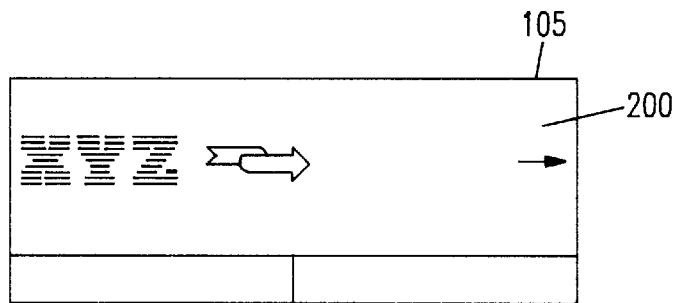


FIG. 2B

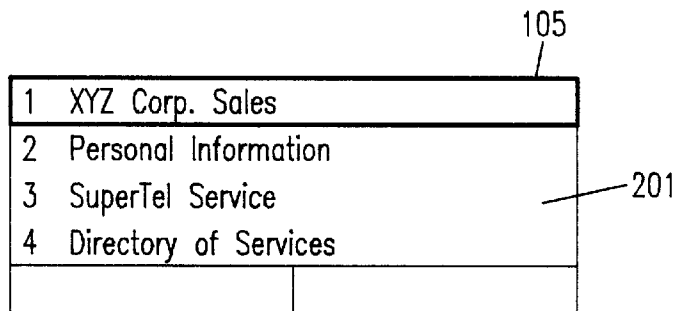


FIG. 2C

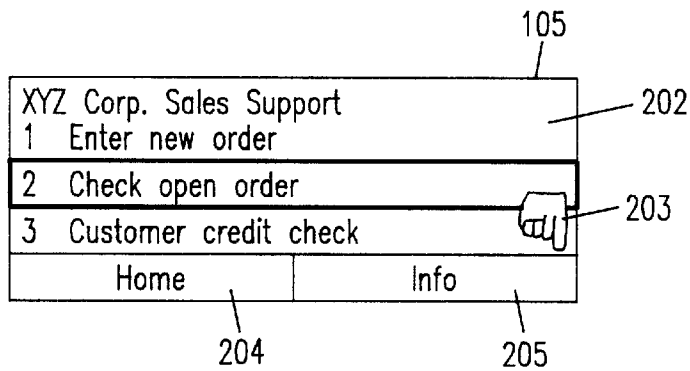


FIG. 2D

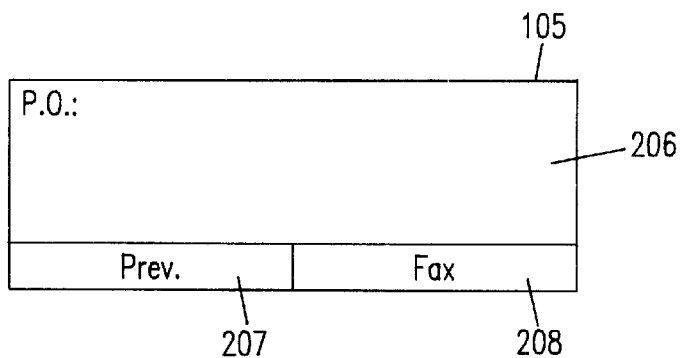


FIG. 2E

P.O.: 11-11-11	
Prev.	Fax

105

206

207

208

FIG. 2F

P.O.: 11-11-11	
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Date: March 3, 1994	
Ship: March 7, 1994	
Prev.	Fax

105

209

203

207

208

FIG. 2G

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Prev.	

105

FIG. 2H

Fax details to what number:	
(415) 341-4473	
Prev.	

105

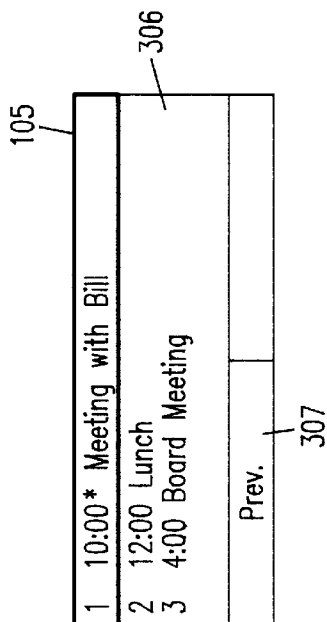


FIG. 3D



FIG. 3E



FIG. 3F

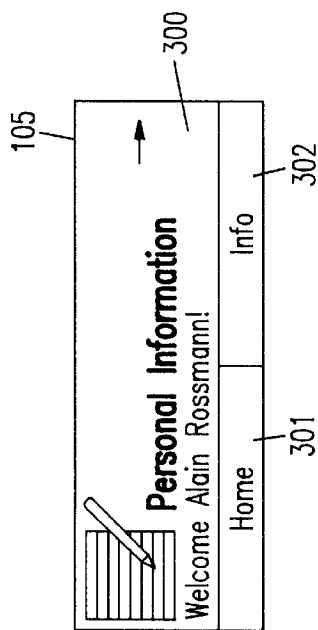


FIG. 3A

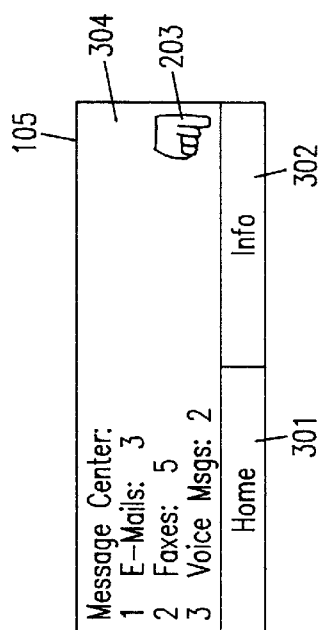


FIG. 3B

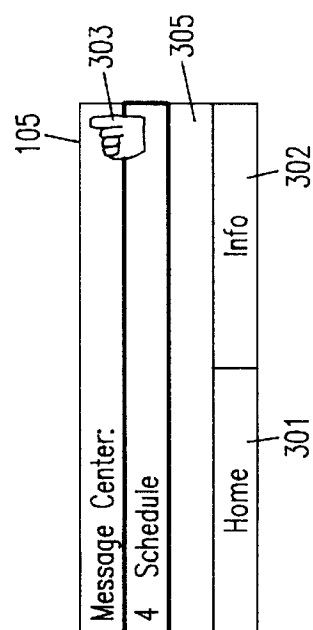


FIG. 3C

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