

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent: 7,734,251 B1

Date of Issue: June 8, 2010

Name of Patentee: John Christopher Harvey and James William Cuddihy

Title of Invention: SIGNAL PROCESSING APPARATUS AND METHODS

August 31, 2018

Mail Stop *Ex parte* REEXAM
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STREAMLINED *EX PARTE* REEXAMINATION REQUEST

Dear Sir:

Reexamination under 35 U.S.C. §§ 302-307 and 37 C.F.R. § 1.510 is requested of United States Patent No. 7,734,251 B1, which issued on June 8, 2010, to John Christopher Harvey and James William Cuddihy. U.S. Patent 7,734,251 B1 is still enforceable.

Identification of Claims for Which Reexamination Is Requested

In accordance with 37 C.F.R. § 1.510, reexamination of claims 17-19, 22-24, and 28 of U.S. Patent 7,734,251 B1 is requested, in view of the following references:

Yamamoto *et al.*, U.S. Patent 3,668,312. (“Yamamoto”)

Frohbach, U.S. Patent 4,107,735. (“Frohbach”)

Bakula *et al.*, U.S. Patent 4,204,206. (“Bakula”)

Hedges *et al.*, U.S. Patent 4,339,798. (“Hedges”)

PMC Exhibit 2145

Statement Pointing Out Each Substantial New Question of Patentability

U.S. Patent 7,734,251 B1 was instituted in an *Inter Partes* Reexamination (IPR2013-00171, Paper 9), based on an *Inter Partes* Reexamination petition (IPR2013-00171, Paper 1) and the Declaration of Dr. Neuhauser (IPR2013-00171, Ex. 1011), where unpatentability was to be determined for:

1. Claims 18, 19, 22-24, and 28 for anticipation by Bakula;
2. Claims 18, 19, and 22-24 for anticipation by Hedges;
3. Claims 18, 19, 22-24, and 28 for obviousness over the combination of Hedges and Frohbach;
4. Claim 17 for obviousness over the combination of Hedges and Yamamoto; and
5. Claim 17 for obviousness over the combination of Yamamoto and Bakula.

However, the *Inter Partes* Reexamination was terminated (IPR2013-00171, Paper 24) prior to a final written decision. No claims were cancelled and no K1 certificate was generated. Accordingly, the institution decision may create a substantial new question of patentability.

To that end, the above prior art references are applied to claims 17-20, 23-25, 28-31, 34-36, and 39 for reexamination according to the charts below.

Hedges may be combined with Frohbach because both references are related to systems for displaying information derived from user input to a distributed system. Hedges may be combined with Yamamoto, and Yamamoto may be combined with Bakula, because both references in each pair are related to displaying user-configurable information at a station in a distributed computer system.

Form PTO-SB-08A is attached with the above references listed.

Detailed Explanation Under 37 C.F.R. § 1.510(b)

1. Claim 17 of U.S. Patent 7,734,251 B1 may be unpatentable under 35 U.S.C § 103(a) as being obvious over Hedges in view of Yamamoto, as shown by the following claim chart:

U.S. 7,734,251 B1	Hedges in view of Yamamoto
17. A method for receiving and processing remotely originated and user specific data for use with a video apparatus, said video apparatus having an audio receiver and a video output device for displaying a video presentation comprising a locally generated image and an image received from a remote video source, said method comprising the steps of:	Hedges' player station 10 is shown with two main components in Fig. 1: playboard 20 and monitor 21. Monitor 21 shows live video from a croupier station 11 (3:4-11). Playboard 20 is shown schematically in Figs. 7-9, and described in the specification at columns 4:14 to 6:58. Examples of a locally generated image is shown in Figs. 4-6, which are generated by CRT controller 61 in Figs. 3A and 7. Yamamoto's television-telephone (i.e., videophone) system includes a telephone handset (i.e., audio receiver) shown in Fig. 1 and column 3:32-52.
receiving said user specific data at said video apparatus, said user specific data being specific to a user of said video apparatus;	Hedges' player station 10 receives user specific data, including user input (to select a gaming playboard, make a wager, input identifying information using a magnetic card reader, etc.). (See Hedges, 8:65-9:2; 3:52-60; 4:34-36.)
contacting a remote data source after said step of receiving said user specific data;	Hedges' player station 10 may contact the credit station 9 (i.e., a remote data source) after receiving user specific data. (See Hedges, 12:47-68.)
receiving from said remote data source based on said step of contacting said remotely originated data to serve as a basis for displaying said video presentation;	In Fig. 11, the credit station 9 of FIG. 1, may, for example, verify authentication of the player station 10 user, and send results to player station 10 for display to user. (See Hedges, 8:7-19, 13:16-19, 13:60-62.)
executing processor instructions to process said remotely originated data	"The playboard 40 of FIG. 2 is depicted in more detail in FIGS. 3A and 3B and includes means for

<p>and said user specific data at said video apparatus in order to generate said locally generated image, said locally generated image including at least some information content that does not include any information from said remote video source and said remote data source;</p>	<p>displaying the wagering possibilities as well as the results of the game, means to accept the wagers intended by the player and means to interface the playboard with the processor 41 of FIG. 2.” (See Hedges, 3:40-45.) The playboard 40 display for Figs. 4-6 is held in the player station 10 memory (ROM 91) in Fig. 12, memory 163. (See Hedges, 9:54-59.)</p>
<p>receiving, at said audio receiver, audio which describes information displayed in said video presentation;</p>	<p>In Yamamoto, Fig. 7 shows an embodiment of a picture image used in case of a seat reservation service. “By a voice announcement, prices of the available seats may be transmitted to the subscribers, then voice announcement, such as ‘please indicate by your light-pen the seat which you want to reserve,’ is transmitted”. (Yamamoto, 8:39-54.)</p> <p>“He may also receive a voice announcement, such as ‘your seat reservation has duly been completed’ and the call may be terminated.” (Yamamoto, 8:73-75.)</p>
<p>simultaneously displaying said locally generated image and said image received from said remote video source at said video output device, wherein said at least some information content of said locally generated image is displayed; and</p>	<p>As described <i>supra</i>, the locally generated playboard 40 display shown in Figs. 4-6 is simultaneously displayed with a live video feed from croupier station 11, as shown in Fig. 2 playboard 40 and live game display 44.</p>
<p>outputting said audio at said video apparatus before ceasing to display said locally generated video image.</p>	<p>As described <i>supra</i>, Yamamoto describes outputting audio during the display of video.</p>

2. Claim 17 of U.S. Patent 7,734,251 B1 may be unpatentable under 35 U.S.C § 103(a) as being obvious over Yamamoto in view of Bakula, as shown by the following claim chart:

U.S. 7,734,251 B1	Yamamoto in view of Bakula
<p>17. A method for receiving and processing remotely originated and user specific data for use with a video apparatus, said video apparatus having an audio receiver and a video output device for displaying a video presentation comprising a locally generated image and an image received from a remote video source, said method comprising the steps of:</p>	<p>The “video apparatus” of Yamamoto may be the CRT 30 and related support circuitry (e.g., 61, 62, 60) and telephone set 10 of a television-telephone subscriber “B”. The “audio receiver” may be the handset 11 (see Fig. 1). The “video output device” may be the CRT 30. Yamamoto’s hardware “A”, including computer 100 and video signal producing device 80, may be replaced in the proposed combination with the terminal system of Bakula. Yamamoto’s “locally generated image” may be the theatre seating shown in Fig. 7, and the “remote video source” may be VTR 84. These images may be simultaneously displayed. (See Yamamoto, 2:40-46, 4:14-24, 6:19-44.)</p>
<p>receiving said user specific data at said video apparatus, said user specific data being specific to a user of said video apparatus;</p>	<p>Yamamoto discloses the step of “receiving user specific data”, which may be the light pen position data. The light pen 40 allows the transfer of the analog position signal to the logic shown in Fig. 4 (items 27, 28, 29, 91-98) to produce a signal on lines 110, 111 that represents the position in a digital format. (See Yamamoto, 2:21-33, 2:64-3:6, 6:59-7:30, 8:54-64.)</p>
<p>contacting a remote data source after said step of receiving said user specific data;</p>	<p>As described <i>supra</i>, Yamamoto’s light pen 40 allows a user to enter preferences, such as, locating train seats, dates, times of departure, etc. to be communicated to a remote data source, computer 100. (See Yamamoto, 9:19-35.)</p>

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.