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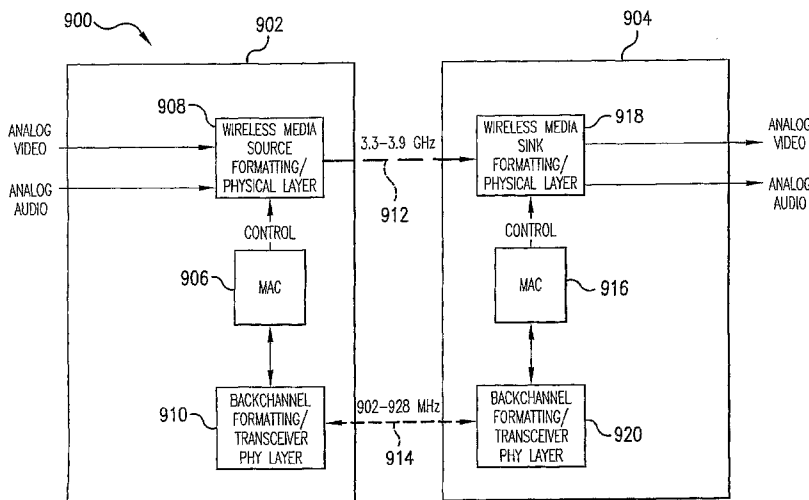
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[Continued on next page]

(54) Title: SYSTEM, METHOD AND APPARATUS FOR WIRELESS DELIVERY OF ANALOG MEDIA FROM A MEDIA SOURCE TO A MEDIA SINK



(57) Abstract: A system, method and apparatus for the wireless delivery of analog media from a media sink to a media source. The system, method and apparatus receives analog video and/or analog audio from the media source in respective native formats. The system, method and apparatus converts the received analog video and/or analog audio from respective native formats to a transmission format. The received analog video and/or analog audio is further processed for transmission over a wireless channel. The system, method and apparatus receives and processes the transmitted signal to produce recovered analog video and/or analog audio information. The recovered analog video and/or analog audio information is converted from the transmission format back to the respective native formats for delivery to the media sink. The system, method and apparatus provides a high data rate, low power wireless signal to the media sink at a low bit error rate.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/16077

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - (2007.01)

USPC -

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - H04N 7/16(2007.01)

USPC - 725/143

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, IP.com, DialogPro and IEEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| X --- | US 2005/0091701 A1 (HOGYOKU) 28 April 2005 (28.04.2005) entire document | 1-3,8-12 and 45 |
| Y | | 4-7 |
| X --- | US 2005/0031127 A1 (GOSIOR et al) 10 February 2005 (10.02.2005) entire document | 13,25 |
| Y | | 14-24 |
| Y | EP 1523107 A1 (OJARD) 13 April 2005 (13.04.2005) entire document | 4,5,20,21 |
| Y | US 6,243,772 B1 (GHORI et al) 05 June 2001 (05.06.2001) entire document | 6,7 |
| Y | US 2004/0141720 A1 (YIM) 22 July 2004 (22.07.2004) entire document | 14-22 |
| Y | US 2004/0157548 A1 (EYER) 12 August 2004 (12.08.2004) entire document | 16 |
| Y | US 2004/0252966 A1 (HOLLOWAY et al) 16 Decemer 2004 (16.12.2004) entire document | 18 |
| Y | US 2003/0212946 A1 (KROEGER) 13 November 2003 (13.11.2003) entire document | 19-22 |
| Y | US 2003/0147480 A1 (RICHARDS et al) 07 August 2003 (07.08.2003) entire document | 23 and 24 |
| Y | WO 1992/00646 A1 (DIETERICH et al) 09 January 1992 (09.01.1992) entire document | 22 |

 Further documents are listed in the continuation of Box C.

| | |
|---|--|
| * Special categories of cited documents: | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "E" earlier application or patent but published on or after the international filing date | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "&" document member of the same patent family |
| "O" document referring to an oral disclosure, use, exhibition or other means | |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

10 September 2007

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/16077

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See Extra Sheet (page 10)

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-25, 45

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/16077

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-25, 45, drawn to a system, apparatus and method for delivery of analog media.

Group II, claims 26-34, drawn to an apparatus for receiving and converting signals.

Group III, claims 35-44, drawn to an apparatus that includes a base unit and cables.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention is converting an analog media received in a native format to a transmission format and the transmitted analog media from the transmission format to the native format as claimed therein, is not present in the invention of Groups II and III; the special technical feature of the Group II invention is demodulating and decoding an RF input signal received in a transmission format to produce a composite signal formatted according to the transmission format as claimed therein, is not present in the invention of Groups I and III; and the special technical feature of the Group III invention is a composite cable connected between a composite cable interface and a base unit and is structured to accommodate an analog video cable and a analog audio cable as claimed therein, is not present in the invention of Groups I and II.

Since none of the special technical features of the Group I, II and III inventions is found in more than one of the inventions, unity of invention is lacking.