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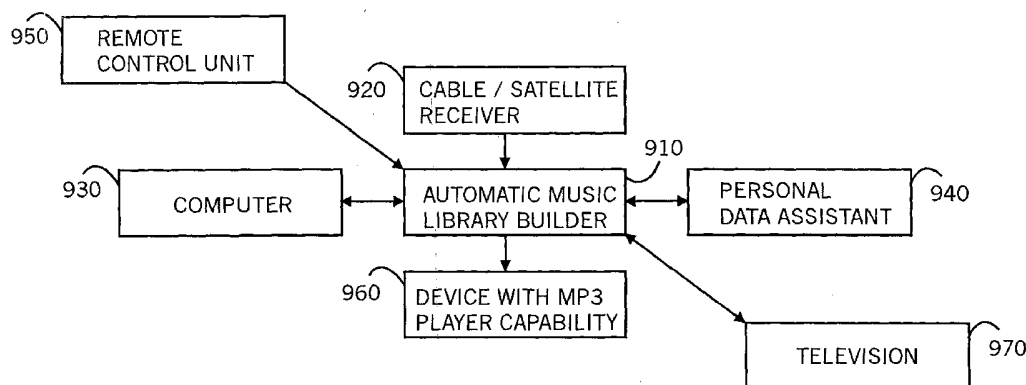
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29 December 2005

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.

(54) Title: PORTABLE MUSIC PLAYER AND TRANSMITTER



(57) Abstract: A hand-held music player for use in conjunction with radios, including a casing, a receiver socket on the casing through which digital audio data is received, a digital-to-analog audio converter housed within the casing, a first transfer socket on the casing through which a song is transferred to a radio transmitter, a second transfer socket on the casing through which meta-data for the song is transferred to the radio transmitter, and a dial on the casing for selecting a song for playback. A method and a computer-readable storage medium are also described.

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04B1/20 H04H1/00 G11B31/00 G11B27/10 G06F17/30

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 7 H04B H04H G11B G06F

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 practical, search terms used)
 EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PCS-ELECTRONICS: "RDS MAX 2.0" INTERNET ARTICLE, 'Online! 22 March 2004 (2004-03-22), XP002336990 Retrieved from the Internet: URL: http://web.archive.org/web/20040413050058/www.pcs-electronics.com/en/products.php?sub=RDS_encod 'retrieved on 2005-07-18! the whole document	37-41, 51,54,55
Y	----- -/--	1-18, 21-26,53

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *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
- *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.
- *&* document member of the same patent family

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29 September 2005

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INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US2005/013645

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	AMAZON.COM DESCRIPTION: "HP Jordana 545 Pocket PC" INTERNET ARTICLE, 'Online! April 2000 (2000-04), XP002336991 Retrieved from the Internet: URL:http://www.pdasupport.com/Jornada545.htm> 'retrieved on 2005-07-18!	1-17, 21-26,53
A	the whole document	19,20, 27, 37-41, 54,55
Y	----- R. MENTA: "Review: Neuros MP3 Digital Audio Computer" MP3NEWSWIRE.NET, 'Online! 29 May 2003 (2003-05-29), XP002336992 Retrieved from the Internet: URL:http://www.mp3newswire.net/stories/2003/neuros.html> 'retrieved on 2005-07-19!	18
A	the whole document	1-17, 19-27, 37-41, 53-55
X,P	----- US 2004/131255 A1 (BEN-YAACOV YAACOV ET AL) 8 July 2004 (2004-07-08) the whole document	28-36, 42-50,52
X	----- US 2003/021441 A1 (LEVY KENNETH L ET AL) 30 January 2003 (2003-01-30)	28-33, 35,36, 42-47, 49,50,52
Y	paragraphs '0051!, '0054! - '0056!, '0060!, '0066!, '0103! - '0107!, '0131!; figures 1,3	34,48
Y	----- US 6 608 930 B1 (AGNIHOTRI LALITHA ET AL) 19 August 2003 (2003-08-19) abstract; figures 2-5	34,48
X	----- PHILIPS RESEARCH: "audio fingerprinting for automatic music recognition" WWW.RESEARCH.PHILIPS.COM, 'Online! March 2004 (2004-03), XP002347089 Retrieved from the Internet: URL:http://www.research.philips.com/initiatives/contentid/downloads/audio_fingerprinting_leaflet.pdf> 'retrieved on 2005-09-27! the whole document	28,29, 32,42, 43,46,52
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/013645

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>& J. HAITSMAN, T. KALKER: "A highly Robust Audio Fingerprinting System" IRCAM, 'Online! 2002, XP002347090 Retrieved from the Internet: URL:http://ismir2002.ismir.net/proceedings/02-FP04-2.pdf> 'retrieved on 2005-09-27! page 1, column 2, line 5 - line 8 page 2, column 2, paragraph 3.2 page 3, column 1, paragraph 3.4 -----</p> <p>EP 1 304 874 A (PIONEER CORPORATION) 23 April 2003 (2003-04-23)</p> <p>paragraph '0010!; figure 17 -----</p>	<p>28, 29, 32, 35, 36, 42, 43, 46, 49, 50, 52</p>
X	<p>WO 01/62004 A (AUDIBLE MAGIC CORPORATION) 23 August 2001 (2001-08-23) the whole document & US 6 834 308 B1 (IKEZOYE VANCE E ET AL) 21 December 2004 (2004-12-21) paragraphs '0005!, '0012!, '0016!, '0018!, '0021!, '0042!, '0047!, '0050! -----</p>	<p>28-33, 42-47, 52</p>
A	<p>UNKNOWN: "IPOD track display" INTERNET ARTICLE, 'Online! 18 September 2003 (2003-09-18), XP002336993 Retrieved from the Internet: URL:http://www.halfbakery.com/idea/IPOD_20 track_20display> 'retrieved on 2005-07-18! the whole document -----</p>	<p>1-18, 21-26, 37-41, 53-55</p>
A	<p>UNKNOWN: "MINI2 Forums - RDS - Radio Text" INTERNET ARTICLE, 'Online! 7 February 2003 (2003-02-07), XP002336994 Retrieved from the Internet: URL:http://www.mini2.com/forum/archive/ind ex.php/t-24296> 'retrieved on 2005-07-18! the whole document -----</p>	<p>1-18, 21-26, 37-41, 53-55</p>
A	<p>UNKNOWN: "Digiana AudiaX FM Linker" WWW.I4U.COM, 'Online! 30 May 2003 (2003-05-30), XP002337103 Retrieved from the Internet: URL:http://www.i4u.com/article396.html> 'retrieved on 2005-07-21! the whole document -----</p>	<p>1-18, 21-26, 37-41, 53-55</p>

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/013645

Box 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 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 additional sheet

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 an additional fee, this Authority did not invite payment of any additional fee.

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.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-27,37-41,51,53-55

device, method and computer program for transmitting audio/video data and corresponding meta-data on a radio/television signal using an internal or external radio/television transmitter.

2. claims: 28-36,42-50,52

digital music library builder which identifies (retrieves) meta-data for a song and generates a digital music database by using the identified meta-data information

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/US2005/013645

Patent document cited in search report	Classification	Publication date	Patent family member(s)	Publication date
US 2004131255	A1	08-07-2004	AU 2003288521	A1 29-07-2004
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