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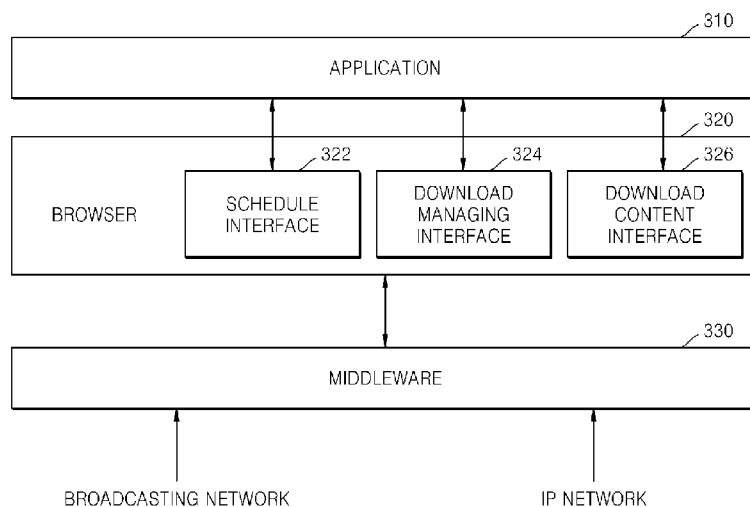
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR RECEIVING NON-REAL TIME CONTENT INCLUDED IN REAL TIME BROADCASTING SIGNAL

[Fig. 3]



(57) Abstract: A method and apparatus for downloading and storing non-real time content are provided. The apparatus includes a browser driver which drives a browser, and a storage unit. The browser includes a first interface for extracting information about a transmission schedule of non-real time content included in a real time broadcasting signal and transmitting the extracted information to an application, and a second interface for downloading the non-real time content according to a download request from the application based on the transmission schedule. The storage unit stores the non-real time content downloaded by the second interface.





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**A. CLASSIFICATION OF SUBJECT MATTER***H04N 21/43(2011.01)i, H04N 7/08(2006.01)i, H04N 7/173(2011.01)i*

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)

H04N 21/43; H04N 7/12

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: broadcasting, content, non-real-time, download

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	WO 2007-086704 A1 (ALTI CAST CORP. et al.) 02 August 2007 See abstract; paragraphs 26-37. 43; claim 1; figures 1-2.	1-2, 7-8, 14-15 3-6, 9-13
A	KR 10-2000-0033019 A (DAEWOO ELECTRONICS CO., LTD.) 15 June 2000 See See abstract; page 2, line 56 - page 3, line 20; claims 1-2 and figure 3.	1-15
A	KR 10-2003-0042524 A (LG ELECTRONICS INC) 02 June 2003 See See abstract; claims 1,3 and figures 2a, 2b.	1-15

 Further documents are listed in the continuation of Box C. See patent family 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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"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

"&amp;" document member of the same patent family

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/KR2011/002116**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007-086704 A1	02.08.2007	KR 10-0777408 B1 KR20070078213A	19.11.2007 31.07.2007
KR 10-2000-0033019 A	15.06.2000	None	
KR 10-2003-0042524 A	02.06.2003	None	