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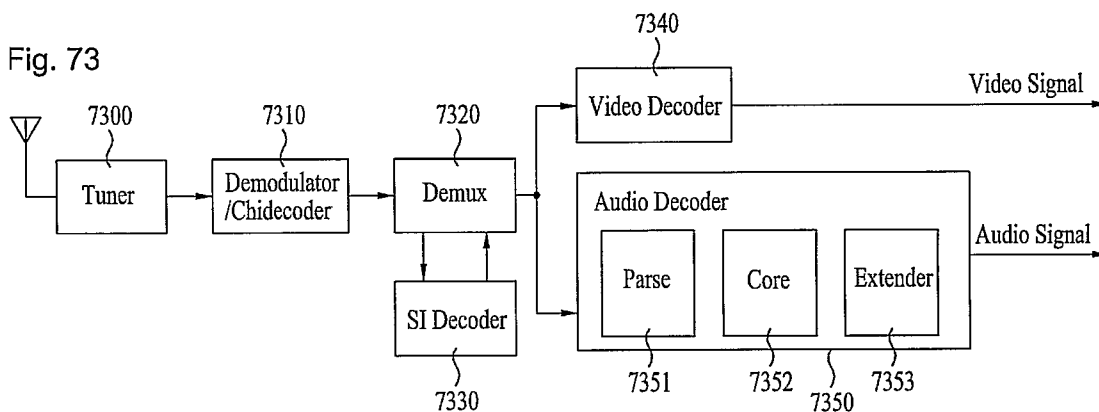
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[Continued on next page]

(54) Title: BROADCASTING RECEIVER AND BROADCAST SIGNAL PROCESSING METHOD



(57) Abstract: A broadcasting receiver and broadcast signal processing method are disclosed. A receiver receives a broadcast signal including mobile service data and main service data, in which the mobile service data is able to construct a data group, the data group is divided into several areas, N number of known data streams are inserted into some areas from among the several areas, and a transmission parameter is inserted between a first known data stream and a second known data stream from among the N number of known data streams. A transmission parameter detector detects the transmission parameter. A block decoder performs block-unit symbol-decoding of the mobile service data contained in the received broadcast signal on the basis of the detected transmission parameter. And a decoder extracts audio data and additional information from the symbol-decoded mobile service data, dequantizing the audio data, converts the dequantized audio data into a time-domain signal for each block according to a length of a block indicated by an identifier contained in the additional information, and restores an audio signal.

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INTERNATIONAL SEARCH REPORT

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PCT/KR2008/003915**A. CLASSIFICATION OF SUBJECT MATTER****H04N 7/24(2006.01)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)

IPC 8 H04N

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: IPC as aboveElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKIPASS(KIPO internal): "broadcasting, receiver, decoder, mobile service data"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2006/065071 A1 (SAMSUNG ELECTRONICS CO., LTD.) 22 June 2006 See abstract, page 5, line 12 - page 12, line 12.	1-15
A	US 2006/0248563 A1 (LEE et al.) 2 Nov. 2006 See abstract, page 4, [0054] - page 5, [0059].	1-15
A	US 6,211,800 B1 (YANAGIHARA et al.) 3 Apr. 2001 See abstract, column 3, line 13 - column 4, line 56.	1-15

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

* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

"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

"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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Information on patent family members

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