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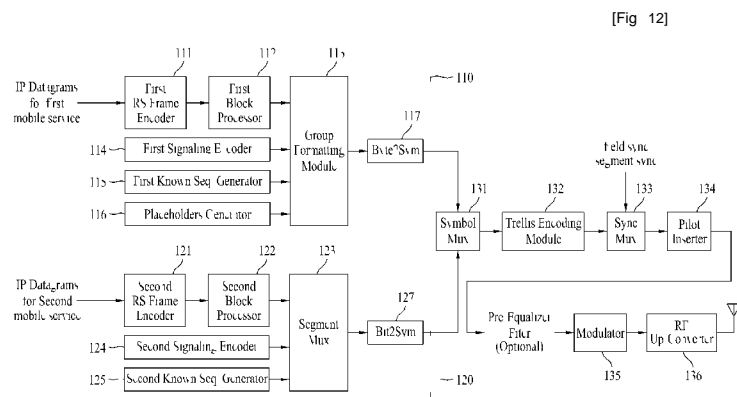
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(54) **Title:** TRANSMITTING SYSTEM AND RECEIVING SYSTEM AND METHOD OF PROCESSING DATA IN THE TRANSMITTING AND RECEIVING SYSTEM





(57) **Abstract:** A transmitting/receiving system and a method for processing broadcasting data are disclosed. The receiving system includes a demodulator, a pre-signaling decoder, a post-signaling decoder, and a block decoder. The demodulator demodulates mobile service data based upon decoded pre-signaling data, the mobile service data being received through some segments of at least one slot, wherein a transmission frame is configured of multiple sub-frames, and wherein a sub-frame is configured of multiple slots. The pre-signaling decoder decodes pre-signaling data being received through a first slot of each sub-frame. The post-signaling decoder decodes post-signaling data being received after the pre-signaling data. The block decoder turbo-decodes the demodulated mobile service data based upon the decoded post-signaling data.

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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 7/015, H04N 7/025, H04N 7/173		
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) & IEEE xplore		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 2008-0216113 A1 (YUN CHANG SIK et al.) 04 September 2008 See page 2 paragraph [0040] - page 16 paragraph[0264]	1-16
A	US 2008-0313692 A1 (YUN CHANG SIK et al.) 18 December 2008 See page 8 paragraph[0137] - page 17 paragraph[0215]	1-16
A	KR 10-2004-0032283 A (SAMSUNG ELECTRONICS CO , LTD) 17 April 2004 See page 4 paragraph [0033] - page 6 paragraph [0049]	1, 10
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
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