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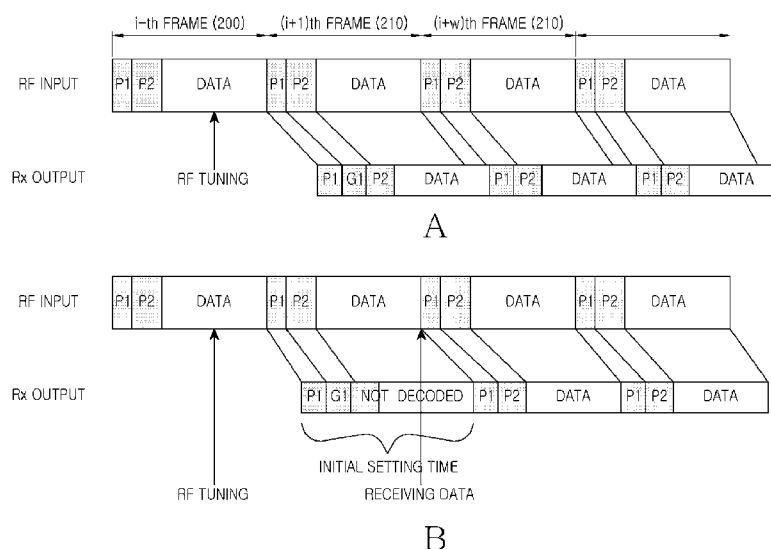
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[Continued on next page]

(54) **Title:** APPARATUS AND METHOD FOR PROVIDING FREQUENCY HOPPING SCHEME IN BROADCAST COMMUNICATION SYSTEM

[Fig. 2]



(57) **Abstract:** An apparatus and a method for using a frequency hopping scheme in a broadcast communication system are provided. A method for transmitting a broadcast signal via at least two frequency bands by a transmission end device in the broadcast communication system includes determining a frequency hopping pattern for providing a broadcast service and transmitting the same; transmitting control information via a first frame after a frequency is changed according to the frequency hopping pattern; and transmitting broadcast data for the broadcast service via a frame transmitted after the first frame.



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A. CLASSIFICATION OF SUBJECT MATTER***H04B 1/7143(2011.01)i, H04N 7/00(2011.01)i***

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B 1/7143; H04W 4/06; H04Q 7/00; H04W 36/16; H04W 72/04

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) & Keywords: frequency, hop, broadcast

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007-124227 A2 (MOTOROLA INC. et al.) 01 November 2007 See paragraphs [0016]-[0047] and figures 1-8.	1-15
A	KR 10-2010-0073752 A (SAMSUNG ELECTRONICS CO., LTD.) 01 July 2010 See paragraphs [0014]-[0054] and figures 1-8.	1-15
A	KR 10-2007-0030561 A (SAMSUNG ELECTRONICS CO., LTD.) 16 March 2007 See page 3, line 23 - page 7, line 2 and figures 1-6.	1-15



Further documents are listed in the continuation of Box C.



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