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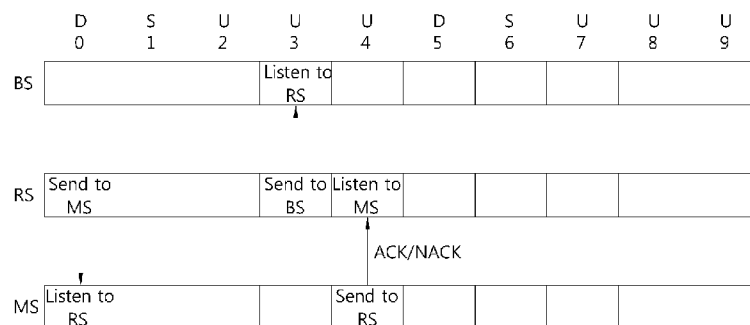
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(54) Title: METHOD FOR RELAYING DATA PERFORMED BY A RELAY STATION IN WIRELESS COMMUNICATION SYSTEM BASED ON TDD

[Fig. 6]



(57) Abstract: A method of relaying data performed by a relay station in a wireless communication system based on time division duplex (TDD) is provided. The relay station receives downlink data from a base station and relays the downlink data to at least one mobile station in an uplink subframe which belongs to an unlinked subframe. Accordingly, uplink acknowledgement (ACK) collision can be avoided, and efficiency of resource allocation can be increased.

A. CLASSIFICATION OF SUBJECT MATTER**H04B 7/212(2006.01)i, H04B 7/14(2006.01)i**

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H04B 7/212; H04B 10/16; H04B 7/14; H04J 3/00

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Korean utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: TDD, relay, subframe, downlink

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZEXIAN LI et al., `IEEE 802.16m TDD frame structure with legacy support` In: IEEE 802.16m-07/215r1, 16 January 2008, "www.ieee802.org/16/tgm/contrib/C802m-m-07_215r1.doc" See chapter 2.	1-9
A	KR 10-2008-0063927 A (SAMSUNG ELECTRONICS CO.,LTD) 08 July 2008 See abstract and fig. 4.	1-9
A	US 2008-0240002 A1 (LI SHIHE) 02 October 2008 See abstract.	1-9



Further documents are listed in the continuation of Box C.



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