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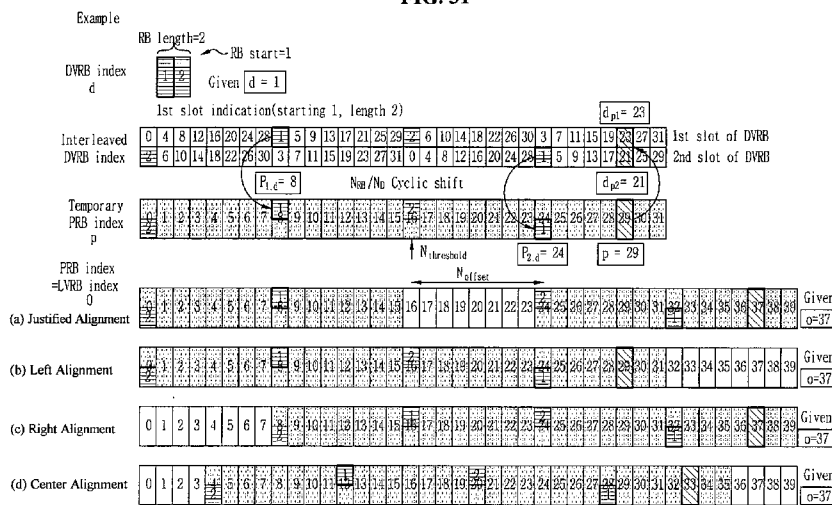
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[Continued on next page]

(54) Title: METHOD FOR SCHEDULING DISTRIBUTED VIRTUAL RESOURCE BLOCKS

FIG. 31



(57) Abstract: A method for efficiently scheduling virtual resource blocks to physical resource blocks is disclosed. In a wireless mobile communication system that supports a resource block group (RBG) allocation scheme, for distributed mapping of consecutively allocated virtual resource blocks to physical resource blocks, there is proposed a mapping method capable of increasing the number of distributed virtual resource blocks to a maximum while satisfying gap limitations, when the length of the physical resource blocks is different from the length of the distributed virtual resource blocks. Also, the number of distributed virtual resource blocks and the structure of an interleaver are limited for efficient scheduling.

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PCT/KR2009/000041**A. CLASSIFICATION OF SUBJECT MATTER***H03M 13/27(2006.01)i, H03M 13/00(2006.01)i, G06F 15/16(2006.01)i, H04L 12/28(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)

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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 since 1975
Japanese Utility models and applications for Utility models since 1975

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

eKOMPASS(KIPO internal) & keywords: resource block, allocation, distributed, localized, PRB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007/094628 A1 (SAMSUNG ELECTRONICS) 23 Aug. 2007 See abstract, pages 14-25, figures 6,7.	1-12
A	WO 2007/088457 A1 (SAMSUNG ELECTRONICS) 09 Aug. 2007 See abstract, figure 5.	1-12
A	WO 2007/105100 A2 (NOKIA CORPORATION) 20 Sept. 2007 See abstract, figures 1,2.	1-12

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

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WO 2007-094628 A1	23.08.2007	KR 20070082569 A	21.08.2007
WO 2007-088457 A1	09.08.2007	NONE	
WO 2007-105100 A2	20.09.2007	EP 2014042 A2	14.01.2009