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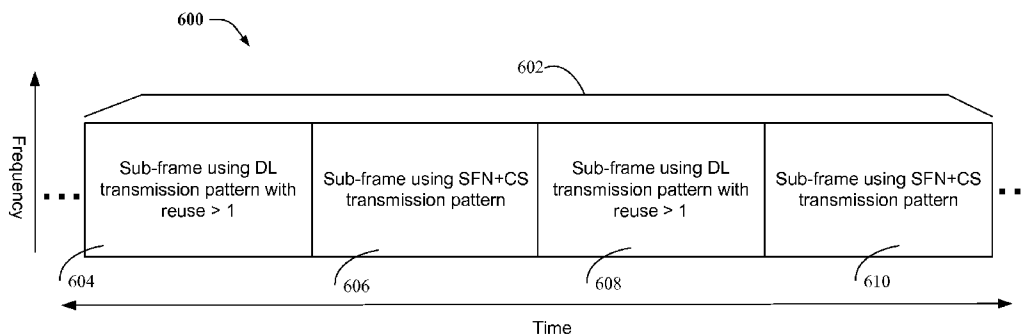
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
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(54) Title: METHOD AND APPARATUS FOR FLEXIBLE PILOT PATTERN



(57) Abstract: The application discloses a method for a wireless communication system determining a location in time of a sub-frame when SFN transmission for data will occur. Determining a first transmission pattern and a second transmission pattern for reference signals, wherein the transmission patterns indicate the symbols and tones of a sub-frame to use for reference signals. Selecting for use, between the first transmission pattern and second transmission pattern for reference signals depending on whether SFN data will be transmitted in the sub-frame. Broadcasting information about the selected transmission pattern prior to use thereof.

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INTERNATIONAL SEARCH REPORT

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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)
H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 415 872 A (SAMSUNG ELECTRONICS CO LTD [KR]) 4 January 2006 (2006-01-04) page 29, line 7 - page 30, line 7 ----- -/--	1,2,17, 22,27, 29,33, 36,38, 52,57, 59,62, 64,67, 68,71-77

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 2005/022792 A (KOREA ELECTRONICS TELECOMM [KR]; SAMSUNG ELECTRONICS CO LTD [KR]; KT C) 10 March 2005 (2005-03-10)</p> <p>page 6, paragraph 46 - page 10, paragraph 73 figure 10</p> <p>-----</p>	1,2,4,6, 11-14, 17,19, 22, 25-27, 29-36, 39,41, 46-52, 54,57, 59-62, 64-77

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 2415872	A	04-01-2006	NONE
WO 2005022792	A	10-03-2005	KR 20050023192 A
			09-03-2005