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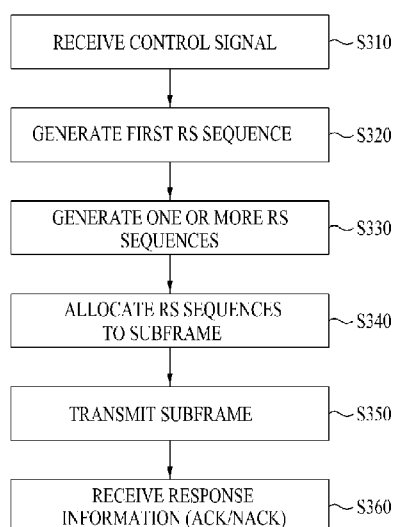
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[Continued on next page]

(54) Title: METHOD FOR TRANSMITTING AND RECEIVING UPLINK REFERENCE SIGNAL IN A WIRELESS COMMUNICATION SYSTEM HAVING MULTIPLE ANTENNAS

[Fig. 3]



(57) Abstract: A method for transmitting and receiving uplink reference signals in a wireless communication system having multiple antennas is disclosed. The uplink reference signal transmission method includes transmitting a first reference signal sequence to a base station, and transmitting a second reference signal sequence to the base station, the second reference signal sequence being obtained by cyclically shifting the first reference signal sequence by a first cyclic delay value.



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INTERNATIONAL SEARCH REPORT

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PCT/KR2009/007349**A. CLASSIFICATION OF SUBJECT MATTER****H04B 7/04(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)

H04B 7/04; H04B 1/00; H04B 1/76; H04L 1/02

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: cyclic shift , reference signal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2008-0298433 A1 (TIIROLA ESA et al.) 04 December 2008 See abstract; Fig.17; claims 1-10	1-16
A	US 2008-0260062 A1 (IMAMURA KIMIHIKO) 23 October 2008 See abstract; claims 1-10	1-16
A	KR 10-2000-0047620 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) 25 July 2000 See abstract; claim 1	1-16



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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