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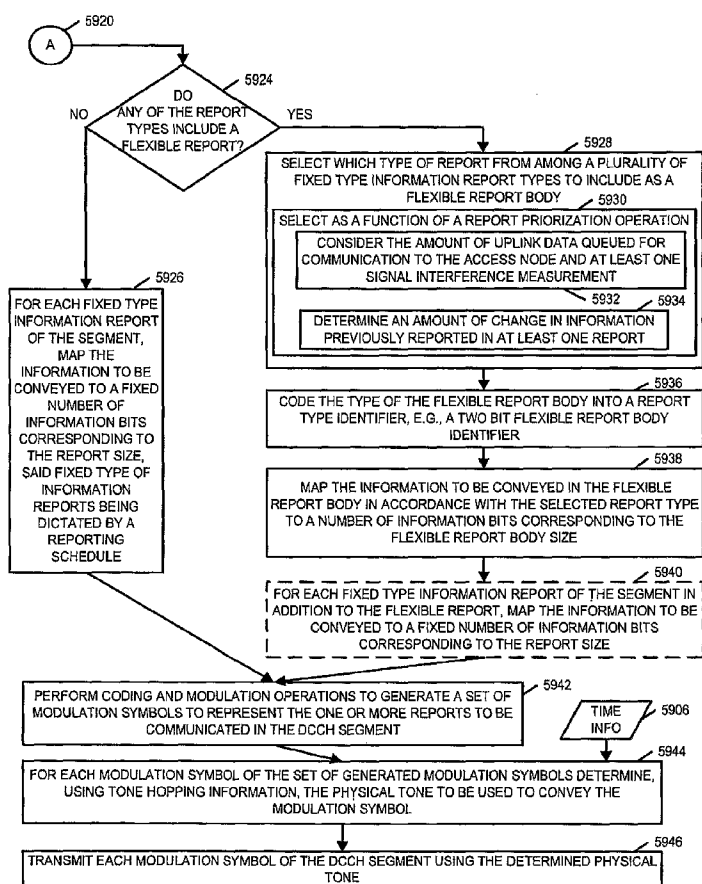
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[Continued on next page]

(54) Title: METHODS AND APPARATUS FOR FLEXIBLE REPORTING OF CONTROL INFORMATION



(57) Abstract: Reporting methods well suited for reporting control information in a wireless system are described. A wireless terminal reports information to a serving base station, e.g., a base station attachment point, according to a reporting schedule. The reporting schedule includes a plurality of different types of fixed type information reports which communicate information of a type dictated by the reporting schedule. The reporting schedule also includes flexible reports at predetermined locations within the reporting schedule. The wireless terminal selects the type of report to be communicated in the flexible report, e.g., as a function of a report prioritization operation. Information identifying the wireless terminal's report type selection for the flexible report is jointly coded along with the report body information and communicated in the same dedicated control channel segment. The reporting schedule repeats over time. In some embodiments there are more fixed reports than flexible reports in one iteration of the schedule.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H04Q7/38

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)

H04Q

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, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/084503 A (NORTEL NETWORKS LTD [CA]) 30 September 2004 (2004-09-30) abstract paragraphs [0028], [0031] - [0037], [0047] - [0060], [0079] - [0081]; figures 1,3	1-4, 9, 10, 14-16, 18, 23-26, 31, 32, 36-38, 40
X	EP 1 511 245 A (SAMSUNG ELECTRONICS CO LTD [KR]) 2 March 2005 (2005-03-02) abstract paragraphs [0044] - [0046], [0049] - [0051], [0054], [0055], [0062], [0065]; figures 8-10, 14	1-4, 20, 23-26, 42

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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- *G* document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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