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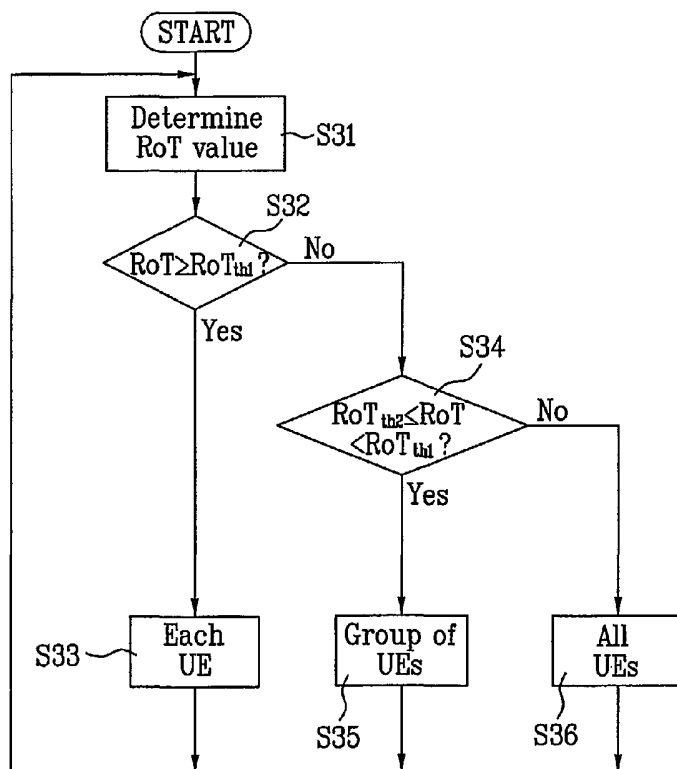
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(54) Title: METHOD OF SCHEDULING AN UPLINK PACKET TRANSMISSION CHANNEL IN A MOBILE COMMUNICATION SYSTEM



(57) Abstract: A method of scheduling an uplink packet transmission channel in a mobile communication system is disclosed. The method of scheduling includes determining a scope of user equipments (UEs) to be applied to a scheduling assignment for scheduling the uplink packet transmission channel (S32, S34), and transmitting the scheduling assignment to the user equipments included in the determined scope (S33, S35, S36), wherein the scheduling assignment includes an identifier for identifying the scope of the user equipments and scheduling contents for carrying information applicable to the scheduling assignment. Preferably, said scope of user equipments is determined by the status of the uplink packet transmission channel (S31) and according to the determined scope the scheduling assignment is either transmitted to each UE (S33), to a group of UEs (35) or to all UEs (36).



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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **H04Q 7/38** (2006.01); **H04L 12/56** (2006.01); **H04L H0B7/005** (2006.01)

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1999/041918 A1 (TELEFONAKTIEBOLAGET LM ERICSSON) 19 August 1999 (19.08.1999) <i>abstract, figures 3, 5, page 3, line 24 - page 5, line 21, page 9, lines 2-3.</i>	1, 2, 10, 12, 17, 18, 20, 22, 26, 27, 35, 37
Y	--	9, 19, 21, 34, 36
Y	SIEMENS: "Node B controlled rate scheduling by fast UE transmission power limitation", R1-030791, TSG-RAN WG1 #33 [online], 25 August 2003 (25.08.2003) [retrieved on 16 February 2006 (16.02.2006)]. Retrieved from the Internet: <URL:http://www.3gpp.org/ftp/tsg_ran/wg1_r1/TSGR1_33/Docs/Zips/R1-030791.zip>. sections 2.2.1, 2.2.2, 2.4.1.	9, 19, 21, 34, 36
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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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.
A	<p>MOTOROLA, et al.: "Node B controlled Time and Rate Scheduling", R1-030592, TSG-RAN WG1 #32 [online], 19 May 2003 (19.05.2003) [retrieved on 16 February 2006 (16.02.2006)]. Retrieved from the Internet: <URL: http://www.3gpp.org/ftp/tsg_ran/wg1_r11/TSGR1_32/Docs/Zips/R1-030592.zip>.</p> <p>sections 7.1.2.2, 7.1.2.3.</p> <p>----</p>	1-43

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
A			none	
WO	A	1999041918	none	