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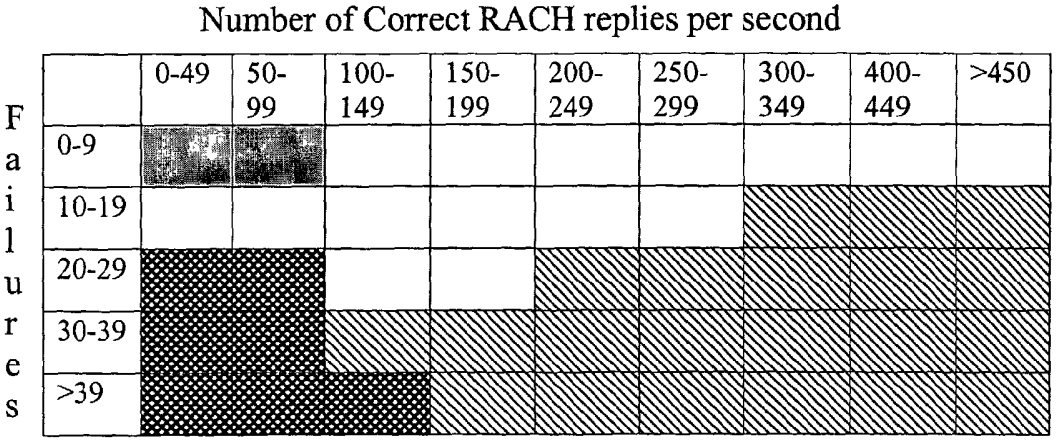
(54) Title: CONTENTION ACCESS CONTROL SYSTEM AND METHOD



(57) Abstract: In telecommunications systems, a plurality of User Equipment (UEs) communicate with a common station via communication signals which have a system frame format. Commonly used time slots (CUTSs) are available for common use by the UEs for transmitting code identified signals for a specific uplink channel. The UEs select a code identifier from a plurality of identifiers, such as midambles. A UE transmission with a selected code identifier in a selected CUTS will fail if another UE transmits with the same code identifier in the same CUTS or if the UE transmission lacks sufficient power. Communication efficiency is enhanced by determining the number of successful and failed UE transmission in CUTSs per frame and adjusting one or more communication parameters in response to said determination such as a parameter upon which the UEs determine an access rate for transmitting in CUTSs and/or a power control parameter.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 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)
IPC 7 H04Q 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.
A	US 5 862 452 A (CUDAK MARK CONRAD ET AL) 19 January 1999 (1999-01-19) column 1, line 31 -column 2, line 31 column 2, line 66 -column 3, line 57	1-20
A	WO 00 56103 A (MOTOROLA LTD) 21 September 2000 (2000-09-21) page 3, line 5 - line 28	1-20

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

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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ormation on patent family members

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		WO 9921307 A1	29-04-1999
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