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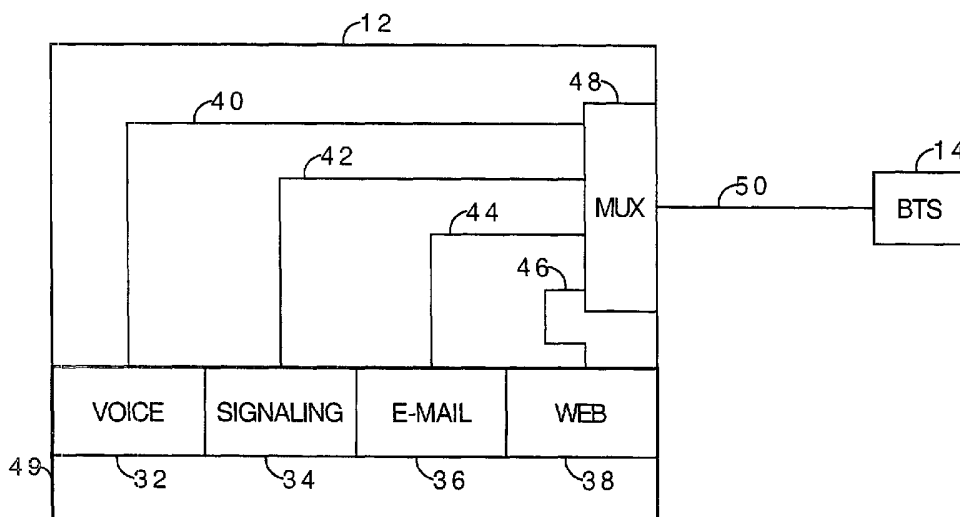
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ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR ALLOCATING DATA STREAMS GIVEN TRANSMISSION TIME INTERVAL (TTI) CONSTRAINTS



(57) Abstract: A method and system that enables multiplexing a plurality of data streams onto one data stream based on data stream priorities, available transport format combinations (TFCs), and transmission time interval (TTI) constraints of transport frames within the TFCs is disclosed. A subscriber unit (12) has applications that produce separate data streams. Example applications include voice (32), signalling (34), E-mail (36) and web applications (38). The data streams are combined by a multiplexer module (48) into one data stream called the transport stream (50). The transport stream (50) is sent over the reverse link to base station transceivers (BTS) (14). The multiplexer module (48) multiplexes the data streams onto a single stream according to available TFCs, TTI constraints, and data stream priorities.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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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)

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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 practical, search terms used)

INSPEC, WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 009 174 A (LG ELECTRONICS INC) 14 June 2000 (2000-06-14) column 5, line 16 -column 6, line 42; figure 1	1,6,13, 18,28,29
X	EP 1 001 642 A (MITSUBISHI ELECTRIC INF TECH) 17 May 2000 (2000-05-17) abstract	1,6,13, 18,28,29
Y	column 3, line 13 -column 4, line 35	1,6,13, 18,28,29
Y	"Universal Mobile Telecommunication System (UMTS);Radio Interface Protocol Architecture (3GPP TS 25.301 version 3.6.0 Release 1999)", ETSI TS 125 301 V3.6.0, PAGES 1-46 XP002197662 page 18, line 1 -page 18, line 11	1,6,13, 18,28,29

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

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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			EP	1009174 A2	14-06-2000
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