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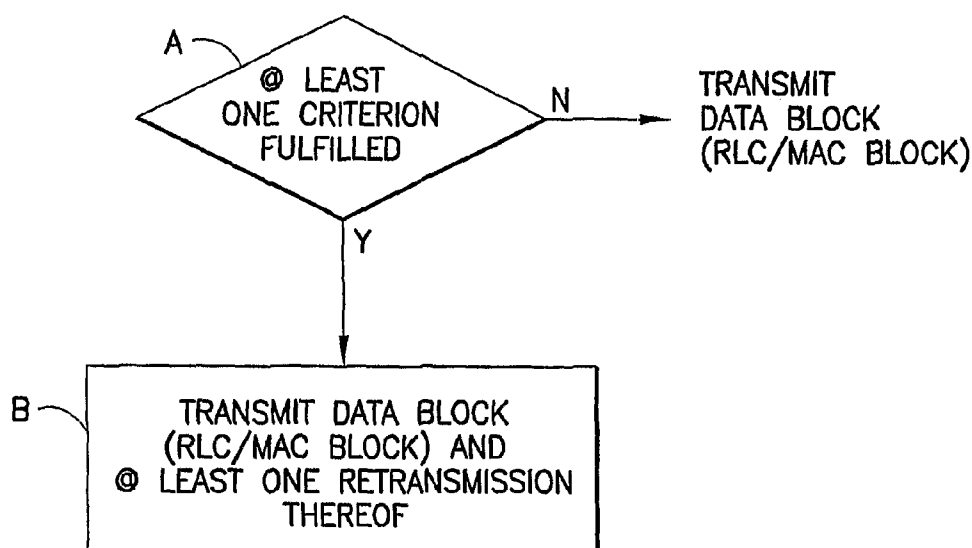
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(54) Title: METHOD PROVIDING ANYTIME PREEMPTIVE RE-TRANSMISSIONS



(57) Abstract: The exemplary embodiments of this invention provide apparatus, methods and computer program products that enable a transmitter to preemptively re-transmit data blocks (e.g., RLC/MAC blocks) without relying on acknowledgment information from the receiver, hi one exemplary, non-limiting embodiment, a method includes: determining whether at least one criterion is fulfilled; transmitting a data block to a receiver; and in response to determining that the at least one criterion is met, preemptively re-transmitting the data block to the receiver. In further exemplary embodiments, preemptively re-transmitting the data block involves using one of a consecutive re-transmission scheme or a parallel retransmission scheme.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04L, H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

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

EPO-INTERNAL, WPI DATA, PAJ, 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 0070813 A1 (NOKIA CORPORATION), 23 November 2000 (23.11.2000), page 5, line 16 - page 9, line 25; page 17, line 9 - line 22, abstract	1,3-5,8, 10-17,20, 22-25,27-33, 35
Y	--	2,6,14,18, 26,34
Y	3GPP TS 44.060 V7.4.0 (2006-05) 3rd Generation Partnership Project; "Technical Specification Group GSM/EDGE Radio Access Network; General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/Medium Access Control (RLC/MAC) protocol" (Release 7), section 9.1.3.2,9.3.3.5	6,18
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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	3GPP TSG Geran #29 Tdoc GP-060755: "GERAN evolution Fast Ack/Nack reporting in UL and DL", Ericsson, San Jose Del Cabo, Mexico, 24-28 April 2006, chapter 1,2,4,6 --	1-35
Y	3GPP TSG Geran #29 Tdoc G2-060185: "Latency enhancements -System concept (working assumptions)" Sophia Antipolis 22-24 May 2006, chapter 1,3.1 --	2,14,26,34
E	US 20070159967 A1 (BORDONARO, F ET AL), 12 July 2007 (12.07.2007), [0001],[0020],[0061] -- -----	1,13,25,

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Paper copies can be ordered at a cost of 50 SEK per copy from PRV InterPat (telephone number 08-782 28 85).

Cited literature, if any, will be enclosed in paper form.

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Information on patent family members

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WO	0070813	A1	23/11/2000	AU	4423400	A	05/12/2000
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US	20070159967	A1	12/07/2007	WO	2007086996	A	02/08/2007
