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12/368,968 10 February 2009 (10.02.2009) US(71) Applicant (for all designated States except US): **QUALCOMM Incorporated** [US/US]; Attn: International IP Administration, 5775 Morehouse Drive, San Diego, California 92121 (US).

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(54) Title: CONTROL OF DATA TRANSMISSION BASED ON HARQ IN A WIRELESS COMMUNICATION SYSTEM

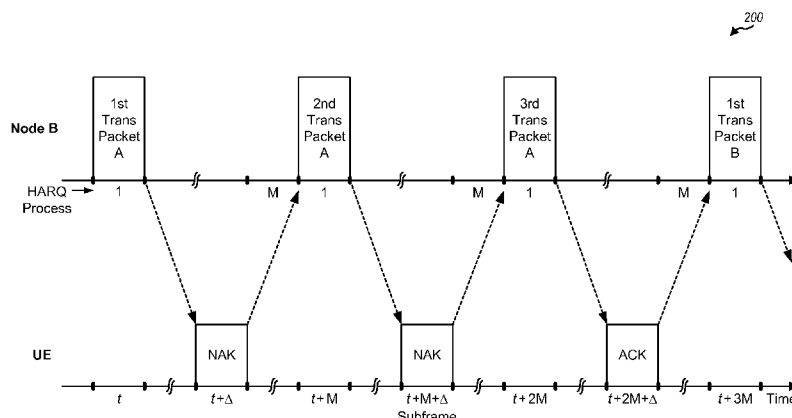


FIG. 2

(57) Abstract: Techniques for controlling data transmission in a wireless communication system based on hybrid automatic retransmission (HARQ) are described. In one design, a user equipment (UE) may determine the number of HARQ processes (Z) supported by the UE, e.g., based on the amount of resources available at the UE. The UE may send information indicative of the number of HARQ processes supported by the UE to a Node B. The UE may thereafter receive data from the Node B on up to Z HARQ processes. In one design, the UE may receive data for non-guaranteed bit rate (non-GBR) traffic on up to Z HARQ processes and may receive data for guaranteed bit rate (GBR) traffic on up to all HARQ processes available in the system. In another design, the UE may receive data for both GBR traffic and non-GBR traffic on up to Z HARQ processes.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H04L1/18

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)

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 1 389 847 A (MATSUSHITA ELECTRIC IND CO LTD [JP]) 18 February 2004 (2004-02-18) abstract; figure 7 paragraph [0015] - paragraph [0019] paragraph [0027] paragraph [0037] - paragraph [0052] paragraph [0057] - paragraph [0058] -----	1-35
X	US 2007/189248 A1 (CHANG LI F [US] ET AL) 16 August 2007 (2007-08-16) paragraph [0051] - paragraph [0055] paragraph [0063] paragraph [0069] paragraph [0077] - paragraph [0078] ----- -/--	1-35

☒ 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	WO 2005/125226 A (INTERDIGITAL TECH CORP [US]; TERRY STEPHEN E [US]) 29 December 2005 (2005-12-29) abstract; figures 2-4 paragraph [0031] - paragraph [0034] paragraph [0036] - paragraph [0046] -----	1-35

INTERNATIONAL SEARCH REPORT

Information on patent family members

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