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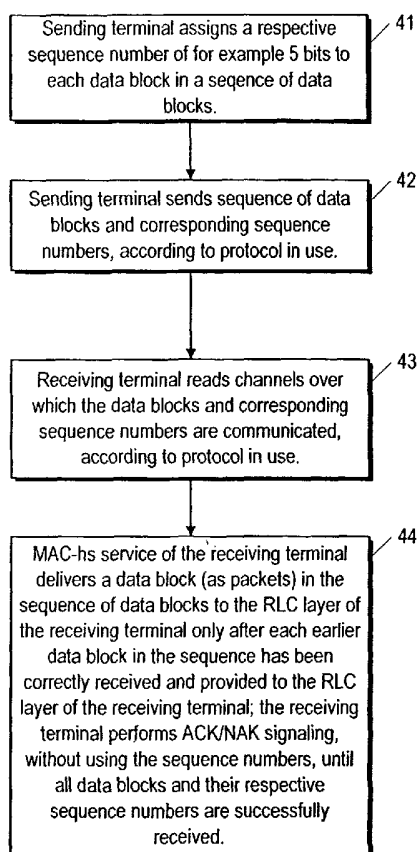
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[Continued on next page]

(54) Title: HYBRID AUTOMATIC REPEAT REQUEST (HARQ) SCHEME WITH IN-SEQUENCE DELIVERY OF PACKETS



(57) Abstract: A method, along with corresponding devices (11, 12) and a system (11, 12), by which in-sequence delivery of data blocks, sent wirelessly by a sending terminal (11), is provided to a radio link control layer (12a) of a receiving terminal (12) by a media access control layer service (12b) of the receiving terminal (12), where the data blocks are communicated according to a protocol, such as WCDMA, in which a media access control layer (11b) of the sending terminal (11) includes as a service the transmission of the data blocks and possible retransmission of the same data blocks in response to ACK/NAK signaling by a corresponding service included in a media access control layer of the receiving terminal. No data block sequence number is used in the ACK/NAK signaling.



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A. CLASSIFICATION OF SUBJECT MATTER

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 US CL : 370/394

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 370/394, 392, 389, 349, 338, 469

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)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------|-----------------------|
| A,P | US 6,317,430 B1 (KNISELY et al.) 13 November 2001, figure 1. | 1-13 |
| A,P | US 6,301,249 B1 (MANSFIELD et al.) 09 October 2001, figures 3-5. | 1-13 |

Further documents are listed in the continuation of Box C.

See patent family annex.

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