UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Ericsson Inc.

Petitioner

v.

Electronics and Telecommunications Research Institute

Patent Owner

Patent No. 8,270,354
Filing Date: May 3, 2007
Issue Date: September 18, 2012

Title: METHOD FOR TRANSMITTING UP LINK CONTROL SIGNAL IN MOBILE COMMUNICATION SYSTEM

Inter Partes Review No. IPR2020-00249

PETITION FOR *INTER PARTES* REVIEW
UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. § 42.100 *ET SEQ.*

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2. [1.1] "generating a response for random access received from a terminal;".....27
3. [1.2] "allocating the response for random access to downlink-shared radio resource for transmitting packet data; and".....29
4. [1.3] "transmitting to the terminal an identifier indicating transmission of the response for random access through a channel carrying downlink scheduling information, and

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transmitting to the terminal the response for random access through the downlink-shared radio resource for transmitting packet data, wherein responses for random access for a plurality of terminals are addressed using the identifier." 30

5. Claim 3: "The method as recited in claim 1, wherein the identifier is reserved and allocated among scheduling identifiers used in the mobile communication system." 35

6. Claim 5: "The method as recited in claim 1, further comprising receiving, from the terminal, uplink transmission using information on allocation of radio resource block to be used when uplink transmission is performed, the information being included in the response for random access." 37

7. Claim 7: "The method as recited in claim 1, wherein the response for random access is dynamically allocated to the downlink shared radio resource." 40

B. Ground 2: Jung in combination with R2-060866 Renders Obvious Claims 1, 3, 5, and 7. 41

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2. Claim 1: [1.pre] "A method for transmitting response for random access in a base station of a mobile communication system, the method comprising" 45

3. [1.1] "generating a response for random access received from a terminal;" 47

4. [1.2] "allocating the response for random access to downlink-shared radio resource for transmitting packet data; and" 47

5. [1.3] "transmitting to the terminal an identifier indicating transmission of the response for random access through a channel carrying downlink scheduling information, and transmitting to the terminal the response for random access through the downlink-shared radio resource for transmitting packet data, wherein responses for random

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access for a plurality of terminals are addressed using the identifier." 49

6. Claim 3: "The method as recited in claim 1, wherein the identifier is reserved and allocated among scheduling identifiers used in the mobile communication system." 52

7. Claim 5: "The method as recited in claim 1, further comprising receiving, from the terminal, uplink transmission using information on allocation of radio resource block to be used when uplink transmission is performed, the information being included in the response for random access." 55

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