

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. 9,155,066
Filing Date: May 13, 2014
Issue Date: October 6, 2015

Title: METHOD FOR PAGING INFORMATION IN CELLULAR SYSTEM

Inter Partes Review No. IPR2019-00252

**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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 - 1. Claim 10: [10.pre] “A method for transmitting paging information, performed in a base station, the method comprising:” **Error! Bookmark not defined.**

2. [10.2] “when a paging information is generated, allocating the paging information to a downlink shared channel;” **Error! Bookmark not defined.**
 3. [10.3] “allocating an identifier indicating existence of the paging information and a radio resource allocation information indicating radio resource to which the paging information is allocated to a control channel; and” **Error! Bookmark not defined.**
 4. [10.4] “transmitting the control channel and the downlink shared channel to a terminal,”.. **Error! Bookmark not defined.**
 5. [10.5] “wherein when the paging information is not generated, the identifier is not allocated to the control channel, and” **Error! Bookmark not defined.**
 6. [10.6] “wherein the identifier is used by reserving and allocating a part of scheduling identifiers.” ... **Error! Bookmark not defined.**
 7. Claim 16: “The method of claim 10, wherein the terminal is in Radio Resource Control (RRC) Connected state.” **Error! Bookmark not defined.**
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1. Claim 11: “The method of claim 10, wherein the control channel and the downlink shared channel are physical channels.” **Error! Bookmark not defined.**
 2. A POSITA would have been motivated to combine R2-060429 with R1-060572, R1-060576, and R1-060187 **Error! Bookmark not defined.**

- C. Ground 3: Claims 10 and 11 are Obvious Under 35 U.S.C. § 103(a) Over R2-060988 in View of R1-060572 and TR 25.814..... **Error! Bookmark not defined.**
1. Claim 10: [10.1] “A method for transmitting paging information, performed in a base station, the method comprising:” **Error! Bookmark not defined.**
 2. [10.2] “when a paging information is generated, allocating the paging information to a downlink shared channel;” **Error! Bookmark not defined.**
 3. [10.3] “allocating an identifier indicating existence of the paging information and a radio resource allocation information indicating radio resource to which the paging information is allocated to a control channel; and” **Error! Bookmark not defined.**
 4. [10.4] “transmitting the control channel and the downlink shared channel to a terminal,”.. **Error! Bookmark not defined.**
 5. [10.5] “wherein when the paging information is not generated, the identifier is not allocated to the control channel, and” **Error! Bookmark not defined.**
 6. [10.6] “wherein the identifier is used by reserving and allocating a part of scheduling identifiers.” ... **Error! Bookmark not defined.**
 7. Claim 11: “The method of claim 10, wherein the control channel and the downlink shared channel are physical channels.” **Error! Bookmark not defined.**
 8. A POSITA would have been motivated to combine R2-060988 with R1-060572 and TR 25.814 **Error! Bookmark not defined.**
- D. Ground 4: Claim 16 is Obvious Under 35 U.S.C. § 103(a) Over R2-060988 in View of R1-060572, TR 25.814, and R2-060429 (to the extent necessary) **Error! Bookmark not defined.**
1. Claim 16: “The method of claim 10, wherein the terminal is in Radio Resource Control (RRC) Connected state.” **Error! Bookmark not defined.**

2. A POSITA would have been motivated to combine R2-060988 with R1-060572, TR 25.814, and R2-060429 **Error! Bookmark not defined.**

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