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(54) APPARATUS AND METHOD FOR SIGNALING SYSTEM INFORMATION

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See application file for complete search history.

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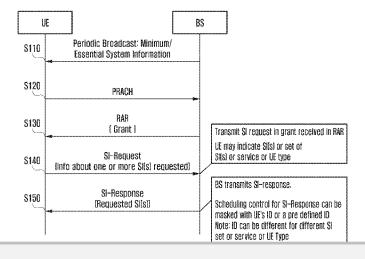
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ABSTRACT

The present disclosure relates to a communication method and system for converging a 5th-generation (5G) communication system for supporting higher data rates beyond a 4th-generation (4G) system with a technology for internet of things (IoT). The present disclosure may be applied to intelligent services based on the 5G communication technology and the IoT-related technology, such as smart home, smart building, smart city, smart car, connected car, health care, digital education, smart retail, security and safety services. A method for receiving system information (SI) by a user equipment (UE) in a wireless communication system is provided. The method includes receiving, from a base station (BS), first type SI associated with SI which is essential for communication with the BS, transmitting, to the BS, a physical random access channel (PRACH) preamble based on the first type SI, receiving, from the BS, a random access response (RAR) message, and receiving, from the BS, second type SI associated with at least one SI which the UE needs.

14 Claims, 20 Drawing Sheets





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FIG. 1

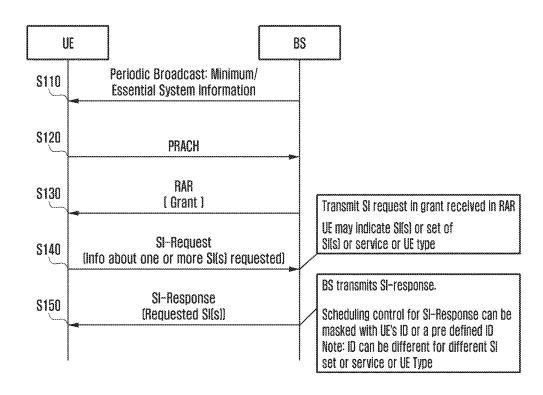
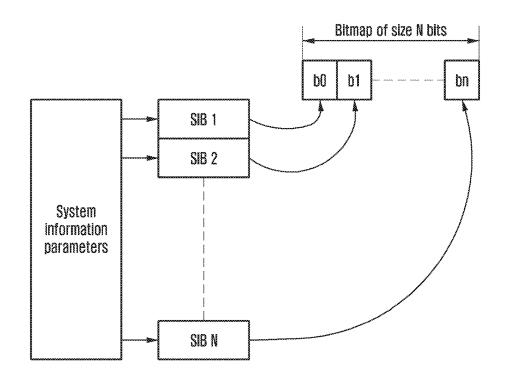




FIG. 2



물 Ditmap of size P bits Ξ Ξ SIB Set P SIB Set 1 SIB Set 2 Pre-Defined Mapping (e.g. based on Service, UE type, etc) S 8 2 2 3 ₩ ₩ <u>\$</u> System information parameters

FIG. 3

DOCKET

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