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(54) **APPARATUS AND METHOD OF SYSTEM INFORMATION TRANSMISSION AND RECEPTION ON A CARRIER SUPPORTING MULTIPLE BANDWIDTH PARTS**

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H04W 76/28 (2006.01)

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CPC *H04W 4/90* (2018.02); *H04W 76/27* (2018.02); *H04W 76/28* (2018.02); *H04W 72/042* (2013.01); *H04W 68/02* (2013.01)

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Publication Classification

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H04W 4/90 (2006.01)

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H04W 68/02 (2006.01)

(57) **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. The method for transmitting system information by a base station in a wireless communication system, the method comprising identifying whether an active downlink (DL) bandwidth part (BWP) of a user equipment (UE) is configured with common search space, and transmitting, to the UE, an updated system information in a dedicated signaling when the active DL BWP of the UE is not configured with the common search space

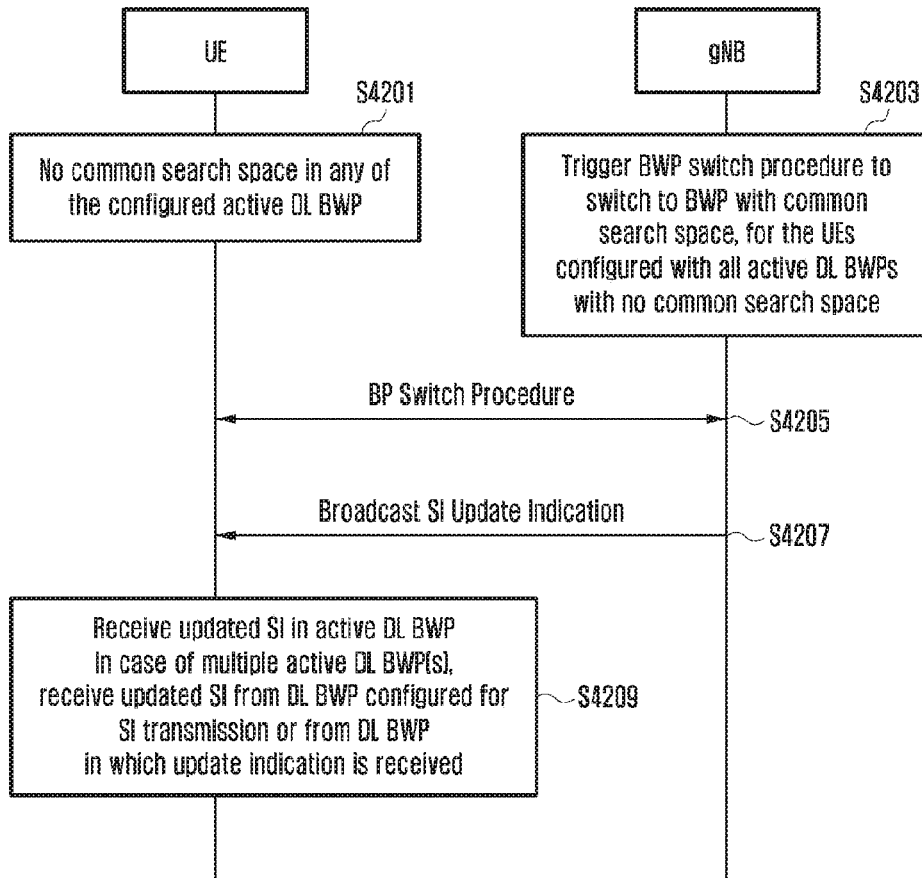


FIG 1

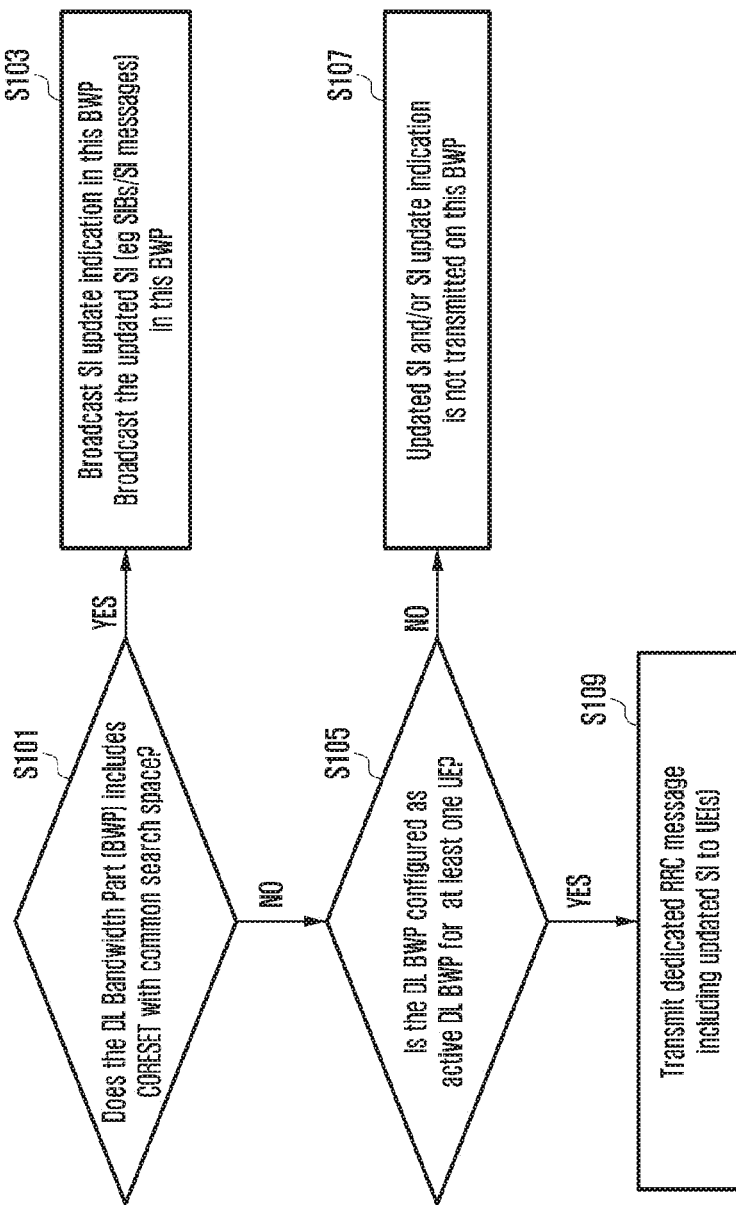


FIG. 2

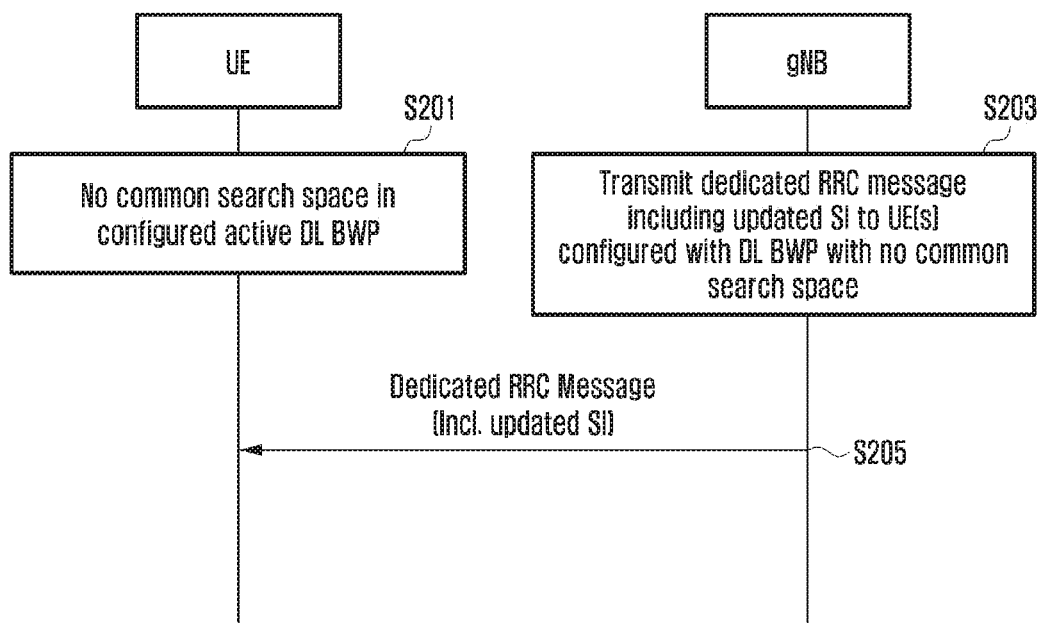


FIG 3

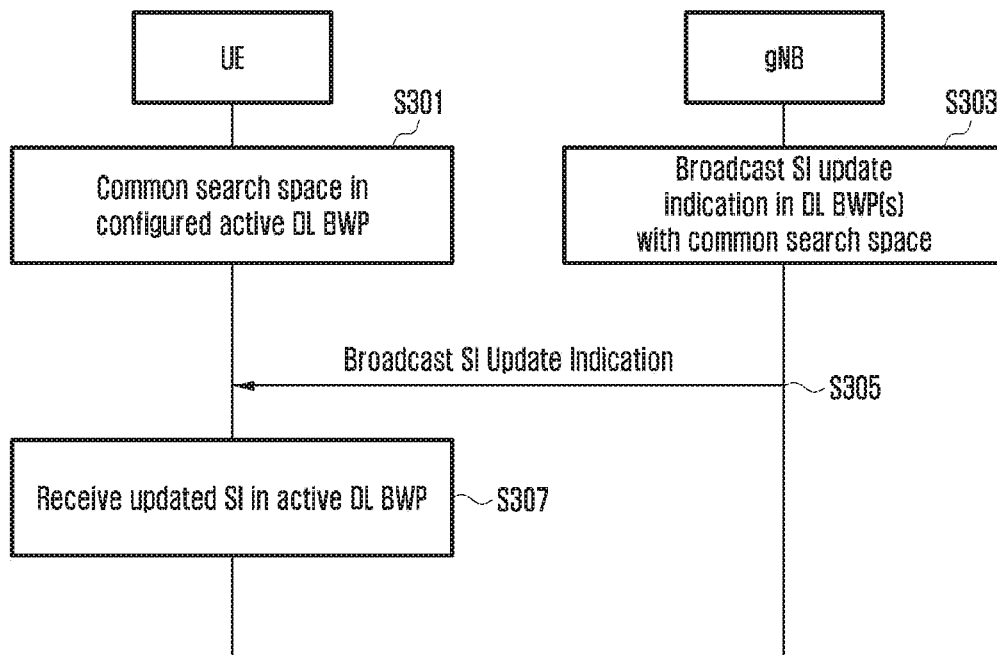
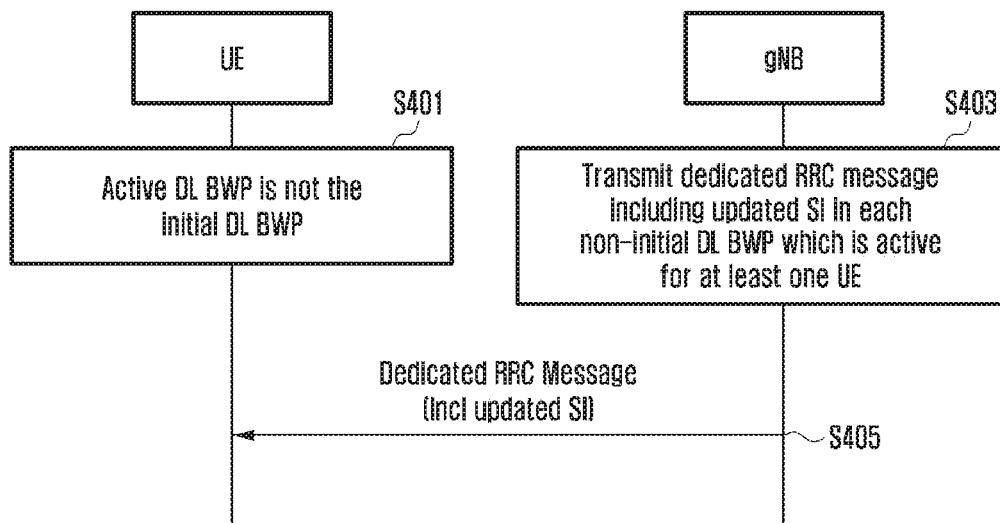


FIG 4



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