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(54) **COMMUNICATION APPARATUS AND COMMUNICATION METHOD FOR RESOURCE UNIT ALLOCATION SIGNALLING**

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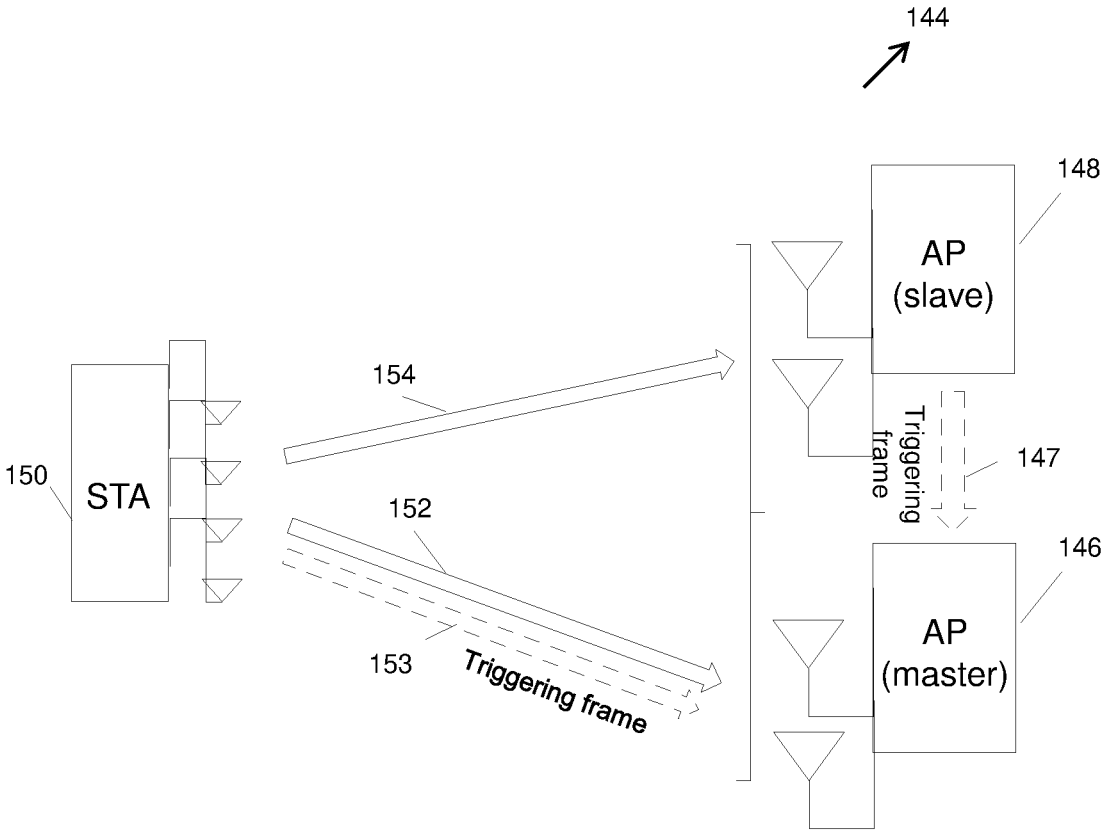
(57) **ABSTRACT**

The present disclosure provides communication apparatus and communication method for resource unit allocation signalling. The communication apparatus comprises circuitry, which, in operation, generates a physical layer protocol data unit (PPDU) comprising two signal field content channels in each 80 MHz frequency segment, each of the two signal field content channels comprising a plurality of resource unit (RU) allocation subfields, wherein a value of each of the plurality of RU allocation subfields is able to indicate sizes of component RUs of a large-size RU combination; and a transmitter, which, in operation, transmits the generated PPDU.