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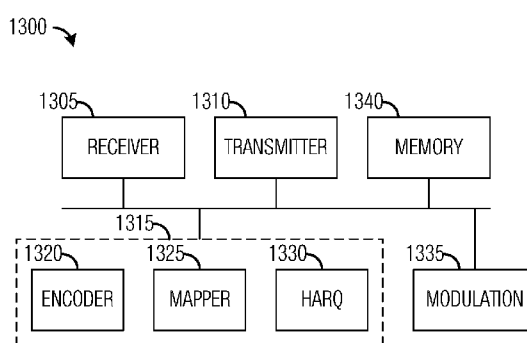
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(54) Title: SYSTEM AND METHOD FOR TRANSMITTING AND RECEIVING ACKNOWLEDGEMENT INFORMATION

**Fig. 13**

(57) **Abstract:** A system and method for transmitting and receiving acknowledgement information are provided. A method for communication device operations includes: determining a hybrid automatic repeat request (HARQ) response for each component carrier (CC) in a set of configured CCs, thereby producing a set of HARQ responses, generating an information vector from the set of HARQ responses, encoding the information vector, and transmitting the encoded information vector. A sub-vector of one or more bits selected from the information vector is assigned a fixed vector value independent of HARQ responses for CCs not in a set of CCs when the set of CCs is not empty, wherein the set of CCs comprises at least one CC whose HARQ response is equal to Discontinuous Transmission (DTX).