

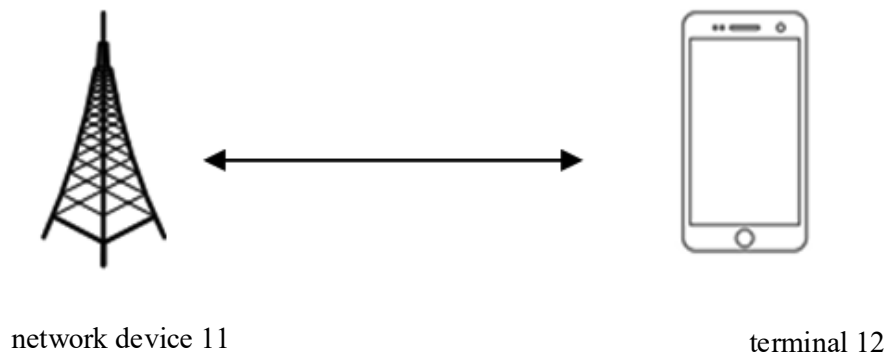


FIG. 1

aligning a payload of a first DCI with a payload of one of second DCIs according to a classification mode of a size of the first DCI, in which the first DCI is a DCI used for scheduling a MBS service, and the second DCI is a DCI used for scheduling a service other than the MBS service

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FIG. 2

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a C-RNTI, and alignment of the second DCIs is completed, adding a padding bit to the first DCI, or adding an appended bit after all effective information fields of the first DCI, or performing truncation on the first DCI, to make a payload of a processed first DCI consistent with a payload of a DCI in format 1_0 transmitted in the CSS

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FIG. 3

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a C-RNTI, and alignment of the second DCIs is completed, adding a padding bit to the first DCI, or adding an appended bit after all effective information fields of the first DCI, or performing truncation on the first DCI, to make a payload of a processed first DCI consistent with a payload of a DCI in format 1_0 transmitted in the USS

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FIG. 4

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a C-RNTI, and alignment of the second DCIs is completed, adding a padding bit to the first DCI, or adding an appended bit after all effective information fields of the first DCI, or performing truncation on the first DCI, to make a payload of a processed first DCI consistent with a payload of a DCI in format 1_1 transmitted in the USS

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FIG. 5

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a C-RNTI, and alignment of the second DCIs is completed, adding a padding bit to the first DCI, or adding an appended bit after all effective information fields of the first DCI, or performing truncation on the first DCI, to make a payload of a processed first DCI consistent with a payload of a DCI in format 1_2 transmitted in the USS

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FIG. 6

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a C-RNTI, and alignment of the second DCIs is completed, adding a padding bit to a second DCI in a format 1_1 or a format 1_2 transmitted in the USS, or adding an appended bit after all effective information fields of the second DCI, or performing truncation on the second DCI, to make a payload of a processed second DCI consistent with the payload of the first DCI

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FIG. 7

in a case where the classification mode of the size of the first DCI is classifying the first DCI as a DCI scrambled by a RNTI other than the C-RNTI, determining a size of a FDRA field in the first DCI according to a number of RBs contained in a CORESET # 0, or a number of RBs contained in an initial DL BWP

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in a case where the payload of the first DCI is different from the payload of the second DCI scrambled by the RNTI other than the C-RNTI, aligning the payload of the first DCI with the payload of the second DCI scrambled by the RNTI other than the C-RNTI

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FIG. 8

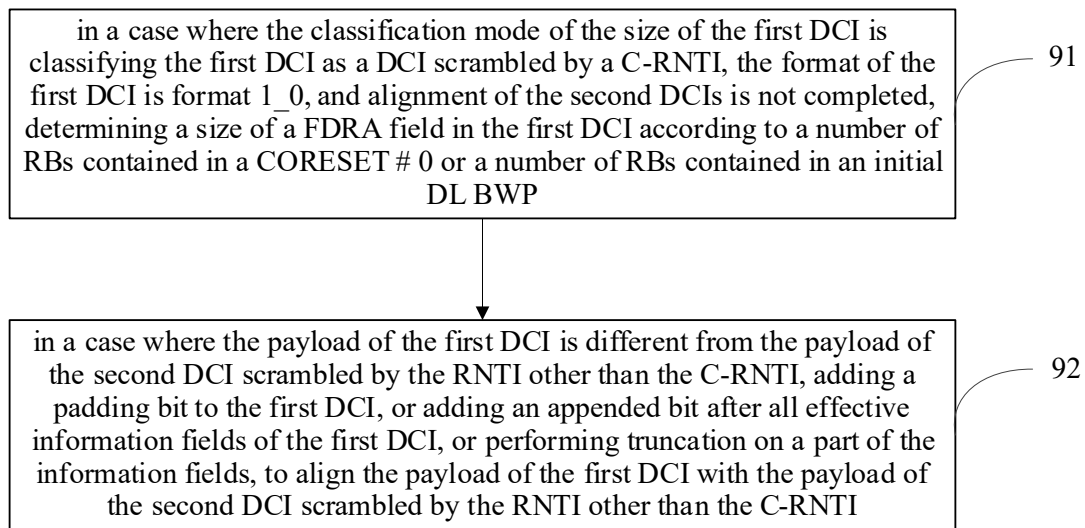


FIG. 9

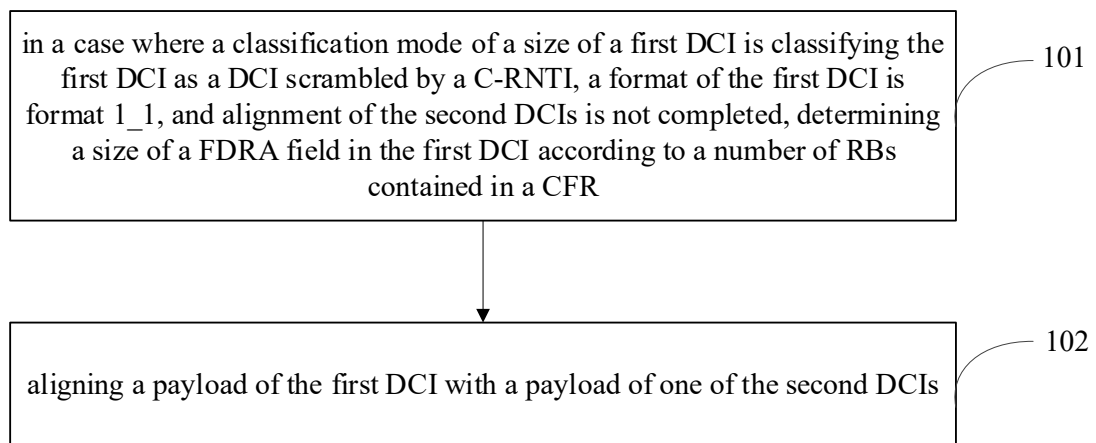


FIG. 10

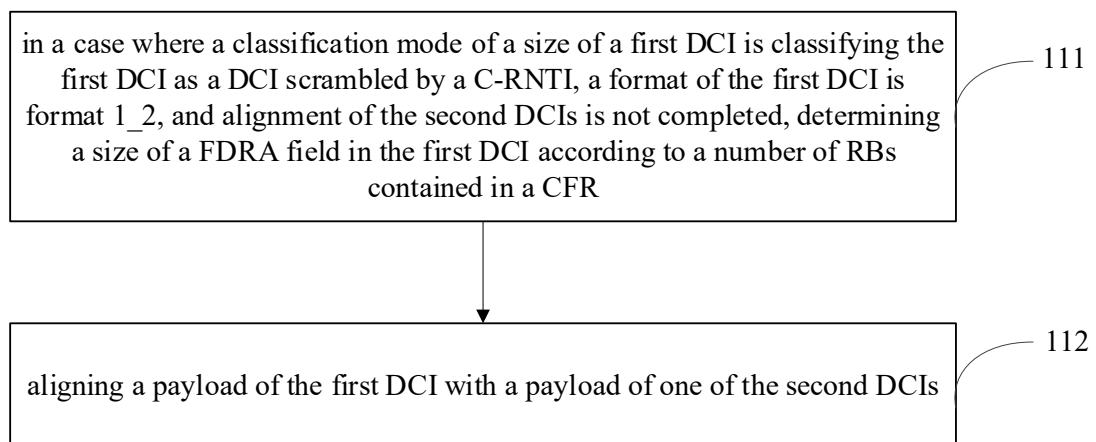


FIG. 11

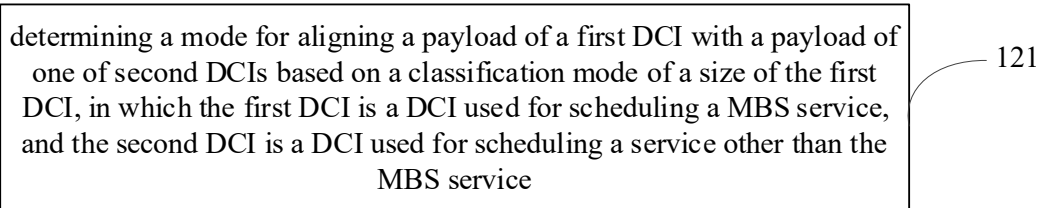


FIG. 12

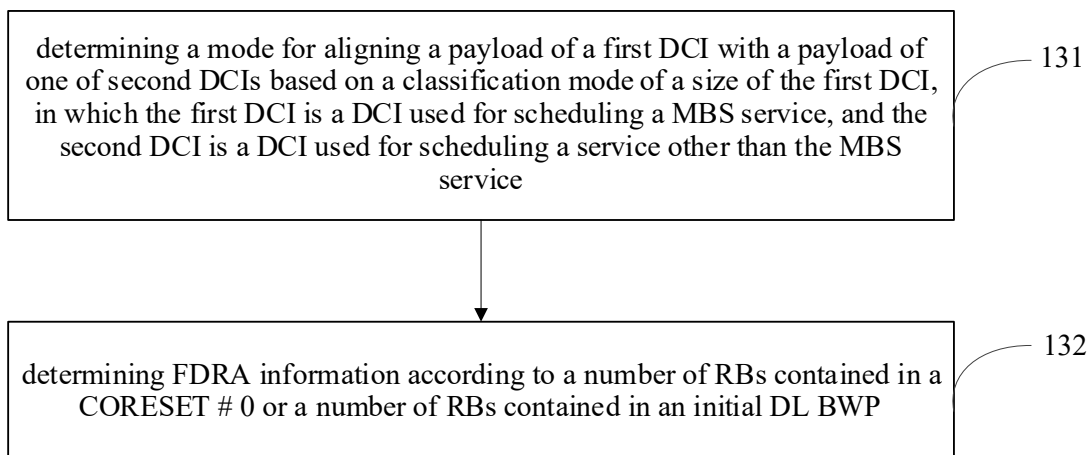


FIG. 13

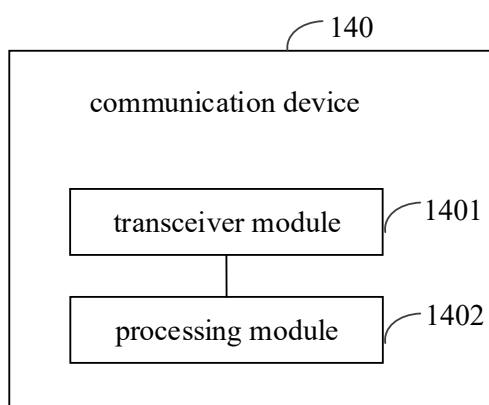


FIG. 14

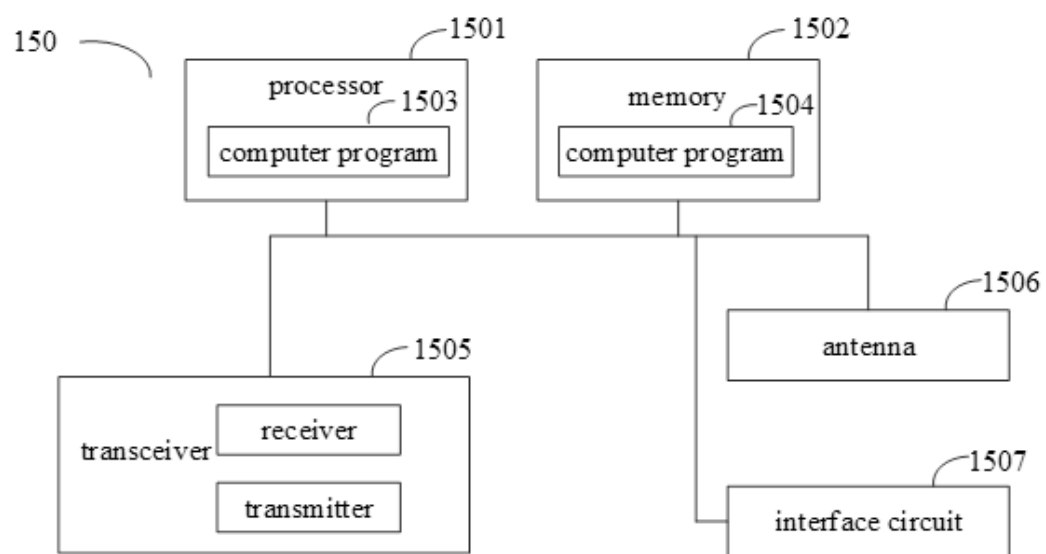


FIG. 15

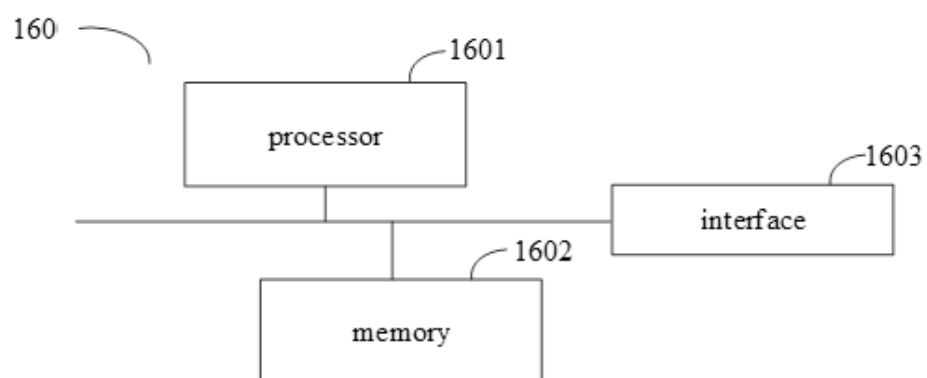


FIG. 16