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(54) METHOD AND SYSTEM FOR DISTRIBUTED COMMUNICATION

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(57)ABSTRACT

A communication device includes a master component and a plurality of slave components. The master component comprises an antenna. The plurality of slave components comprises a first antenna, a second antenna, and a frequency converter. The first antenna communicates with an external device by a beamforming operation on a first carrier frequency, and receives first signals from the external device. The second antenna communicates with the antenna of the master component by the beamforming operation on a second carrier frequency, and receives second signals from the master component. The frequency converter converts the first signals received through the second antenna from the second carrier frequency of the external device into the first carrier frequency of the first master component and converts the second signals received through the first antenna from the first carrier frequency of the first master component into the second carrier frequency of the external device.

