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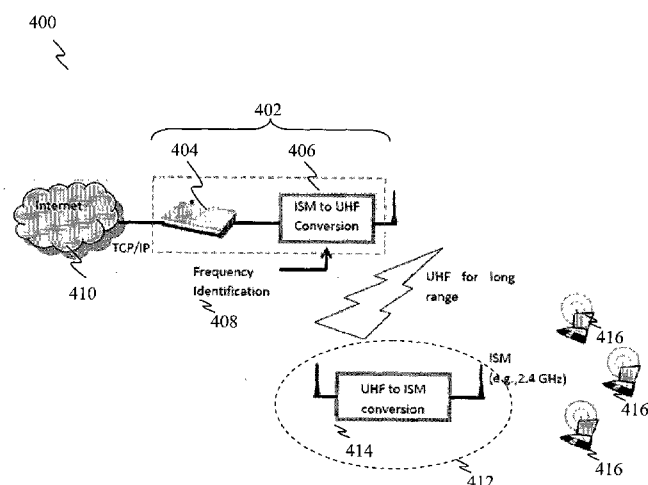
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(54) **Title:** METHOD OF TRANSMITTING A CONVERTED SIGNAL, METHOD OF RECEIVING A SIGNAL, AND A TRANSMITTER DEVICE



(57) **Abstract:** According to embodiments of the present invention, a transceiver device is provided. The transceiver device includes a receiver configured to wirelessly receive a signal having a master-remote frequency from a communication device; a frequency converter configured to convert the master-remote frequency of the received signal to a remote-terminal frequency; and a transmitter configured to transmit the converted signal having the remote-terminal frequency to a communication terminal. Other embodiments provide a transceiver device including a receiver configured to receive a signal having a remote-terminal frequency from a communication terminal; a frequency converter configured to convert the remote-terminal frequency of the received signal to a master-remote frequency; and a transmitter configured to wirelessly transmit the converted signal having the master-remote frequency to a communication device. According to further embodiments of the present invention, a method of transmitting a converted signal and a method of receiving a signal are also provided.