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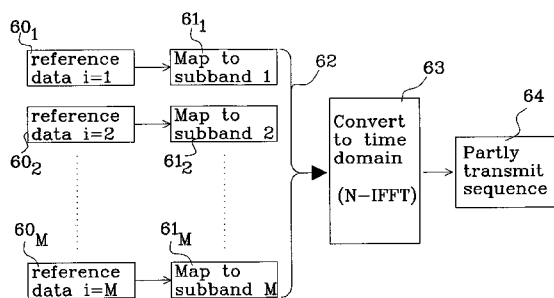


Fig. 6

(57) Abstract: The present invention relates to a method for antenna calibration in a communication system having a bandwidth divided into multiple frequency intervals M with multiple communication units 40; 50, each comprising communication circuitry 21, 24; 31, 34; 41, 42; 51, 52, 54 connected to an antenna arrangement 22, 25; 32, 35; 44, 45; 55, 49, communicating with each other over multiple communication channels. The method comprises: establishing a calibration sequence to perform antenna calibration for at least one of said multiple frequency intervals; converting the calibration sequence from the frequency domain to the time domain; transmitting a part of said calibration sequence in the time domain from a first communication circuitry 21; 34; 41; 51, 54 to a second communication circuitry 24; 31; 42; 52, 54 over the multiple communication channels; receiving the part of said calibration sequence in the second communication circuitry 24; 31; 42; 52, 54 for each communication channel; performing antenna calibration based on the received part of the calibration sequence.



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