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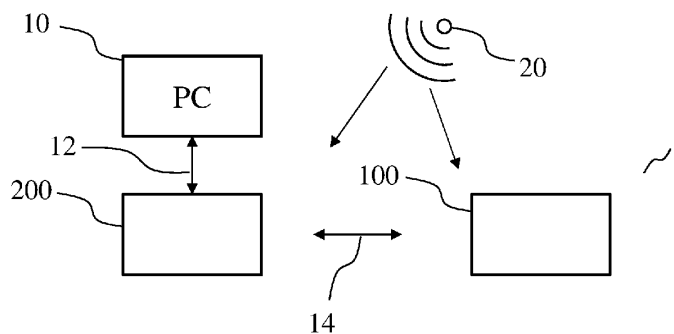


FIG. 1

(57) Abstract: Wireless data communication method, for communication between a computer peripheral device and a receiver device including transmitting a datastream from a computer peripheral device to a receiver device, with a wireless communication protocol which may operate with a first frequency band and a second frequency band. Each of the bands may be divided into a plurality of sub-bands, which may be further divided into frequency channels. During a first time slot, the operation frequency channel may be a first operation frequency channel selected according to a first frequency hopping sequence from the frequency channels of one sub-band of the first frequency band. During a second time slot, the operation frequency channel may be selected according to a second frequency hopping sequence from the frequency channels of one sub-band of the plurality of sub-bands of the second frequency band. Adjacent frequency channels of any of the frequency hopping sequences may be of different sub-bands. A device implementing the method is also envisaged.

WO 2021/262084 A1

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