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(54) **WIRELESS COMMUNICATION SYSTEM**

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(57) **ABSTRACT**

A wireless communication system comprises a host device (**110**) and mobile devices (**120**) arranged for wireless communication and for distance (**140**) measurement. The host device has a user interface (**113**) comprising a connect button (**115**), and is arranged to execute a connection sequence upon a user activating the connect button. The connection sequence first determines respective distances between the host and respective mobile devices. A first mobile device is identified exhibiting a movement. Then a connection action is executed regarding a connection between the first mobile device and the host device. The mobile device is arranged for executing a ranging protocol and, upon subsequently receiving a connection message, executing a connection action regarding a connection between the first mobile device and the host device. Effectively a connection may be established upon the user of a mobile device pressing a single button on a selected host device and moving the mobile device.