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(54) **UWB ACCESSORY FOR A WIRELESS DEVICE**

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(57) **ABSTRACT**

In aspects of UWB accessory for a wireless device, an attachable ultra-wideband (UWB) accessory includes a UWB radio to communicate with UWB radios in an environment. The attachable UWB accessory has one or more wireless interfaces to wirelessly communicate with radio devices of a wireless device to which the UWB accessory is attached. The attachable UWB accessory can also include a micro-controller that receives UWB ranging data from the UWB radios, and may determine a location of the wireless device in the environment based on the UWB ranging data. The attachable UWB accessory may utilize Bluetooth low energy (BLE) for UWB out-of-band communications. A wireless device can be implemented with the attachable UWB accessory, and the wireless device has a BLE interface to interface with the UWB accessory.

