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(54) **WIRELESS DEVICE**

(71) Applicant: **Mitsubishi Electric Corporation**, Tokyo (JP)

(72) Inventor: **Daichi UCHINO**, Tokyo (JP)

(73) Assignee: **Mitsubishi Electric Corporation**, Tokyo (JP)

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(57) **ABSTRACT**

A wireless device is a wireless device operable to switch between a function of a master wireless device and a function of a slave wireless device in a group to which multiple wireless devices belong, where the multiple wireless devices communicate with each other using a synchronization signal, the master wireless device controls another wireless device belonging to the group, and the slave wireless device is controlled by the master wireless device. The wireless device includes a transmission unit capable of transmitting a signal, a reception unit capable of receiving a signal, and a control unit that causes the transmission unit to transmit, toward the master wireless device, information about a synchronization signal detected, when the wireless device is operating as the slave wireless device, and the reception unit receives and detects the synchronization signal from a wireless device not belonging to the group.