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# (12) United States Patent

Itagaki et al.

# (54) WIRELESS COMMUNICATION DEVICE AND METHOD FOR COMMUNICATION BETWEEN A BASE STATION AND A WIRELESS NODE

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(51) Int. Cl.

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(52) U.S. Cl.

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#### (58) Field of Classification Search

None

See application file for complete search history.

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#### (57) ABSTRACT

[Object] To provide a wireless communication device and a wireless communication method capable of further reducing power consumption in a wireless node. [Solution] Provided is a wireless communication device including a wireless communication unit configured to transmit a signal to a base station through wireless communication, a positional information acquisition unit configured to acquire positional information indicating a position of the wireless communication device, and a control unit configured to determine an area to which the wireless communication device belongs based on the positional information acquired by the positional information acquisition unit and control the wireless communication unit to perform the transmission according (Continued)

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