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(54) **DATA TRANSMISSION DEVICE, DATA TRANSMISSION METHOD, AND STORAGE MEDIUM STORING DATA TRANSMISSION PROGRAM**

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ABSTRACT

A data transmission device includes a wireless communication unit that wirelessly communicates with an external communication device, a travel route information acquirer that acquires a future travel route of a moving object, a travel route, a propagation environment information acquirer that acquires propagation environment information of a radio wave propagation path used in wireless communication, a speed information acquisition unit that acquires the moving speed of a moving object, and a converter that converts a relationship between the travel route and propagation environment information into a plurality of data slots each defined by the communication speed per unit time; a transmission instructor that instructs the wireless communication unit to transmit the data allocated to the data slot.

