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ABSTRACT

An object is to implement smooth execution of management of location information of a mobile station according to states of the mobile station varying with time. Based on a notification of transition into a sleep state from the mobile station, transmitted upon a timeout of a sleep state determination timer with neither packet transmission nor reception at the mobile station, it is determined that the mobile station has moved into the sleep state, and control processing in the link layer is executed (S12) (the control processing in the link layer carried out when the mobile station moves between cells). Thereafter, based on a notification of transition into an idle state from the mobile station, which is transmitted upon a timeout of an idle state determination timer with neither packet transmission nor reception at the mobile station, it is determined that the mobile station has moved into the idle state, and control processing in the network layer is executed (S14) (the control processing in the network layer carried out when the mobile station changes its location registration area). In this way, the control processings are executed based on the states of the mobile station according to durations in which neither packet transmission nor reception is conducted at the mobile station.



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