

## ABSTRACT

Provided is a mobile communication system capable of determining a communication path to implement fast communication by multihop connection. A mobile communication system (1) comprises a mobile station (10), at least one relay station (30), and a base station (20) and implements packet transmission from the mobile station (10) to the base station (20) through a communication path with an intermediary of at least one relay station (30) or through a communication path without an intermediary of a relay station. The mobile communication system (1) is provided with a communication path determiner for determining a communication path with a largest communication speed or a communication path satisfying a required line quality, based on interference levels of respective signals received at a relay station (30) constituting a communication path between the transmitting station and the receiving station, and at the base station (20).



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