

**RADIO COMMUNICATION SYSTEM AND RADIO MONITORING CONTROL
SYSTEM**

ABSTRACT

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There is provided a radio communication system configured to communicate with the electromagnetic wave. The radio communication system includes a plurality of slave stations, each configured to transmit and receive
10 the electromagnetic wave using the fixed polarized wave, and a master station including an antenna and a base band circuit, the master station configured to identify a polarization direction of the electromagnetic wave reaching the antenna and a slave station transmitting the
15 electromagnetic wave and notify the identified slave station of a communication timing based on an identified polarized direction. The plurality of slave stations include a plurality of slave stations arranged such that electromagnetic waves transmitted from a plurality of
20 slave stations among the plurality of slave stations reach the antenna of the master station in a plurality of different fixed polarization directions.

FIG. 2