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IKEGAMI et al.(10) **Pub. No.: US 2022/0352859 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **POWER AMPLIFIER MODULE**(71) Applicant: **Murata Manufacturing Co., Ltd.**,
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ABSTRACT

An output switch includes; a plurality of input terminals and output terminals each of the plurality of input terminals is electrically connected to at least one of the plurality of output terminals; a first low noise amplifier that amplifies a signal of a predetermined frequency band input through an antenna and outputs a first signal to a first input terminal among the plurality of input terminals, and a second low noise amplifier that amplifies a signal of a predetermined frequency band input through an antenna and outputs a second signal to a second input terminal different from the first input terminal among the plurality of input terminals. A filter that attenuates a signal of a frequency band higher than a frequency band of the second signal is electrically connected between the second input terminal and the second low noise amplifier.

