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TSUCHIDA et al.(10) **Pub. No.: US 2024/0214025 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **RADIO FREQUENCY MODULE****Publication Classification**(71) Applicant: **Murata Manufacturing Co., Ltd.**,
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(JP)(52) **U.S. Cl.**
CPC **H04B 1/40** (2013.01)(57) **ABSTRACT**

A radio frequency module includes a module substrate having main surfaces that are opposite to each other, a plurality of external connection terminals that are disposed on the main surface, power amplifier circuits that are disposed on the main surface, a transformer that is connected to the power amplifier circuit and disposed on the main surface, and a transformer that is connected to the power amplifier circuit and disposed on the main surface. The power amplifier circuit is a Doherty-type power amplifier circuit, and the power amplifier circuit is a differential-amplifier-type power amplifier circuit.

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