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(54) **ROTARY ELECTRIC MACHINE AND PUMP**

(71) Applicant: **NIDEC POWERTRAIN SYSTEMS CORPORATION**, Kanagawa (JP)

(72) Inventors: **Shigehiro KATAOKA**, Kanagawa (JP); **Tomohiro SAKATA**, Kanagawa (JP); **Heng CAO**, Kanagawa (JP)

(73) Assignee: **NIDEC POWERTRAIN SYSTEMS CORPORATION**, Kanagawa (JP)

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(57) **ABSTRACT**

An aspect of a rotary electric machine of the disclosure includes: a rotor, able to rotate about a central axis as a center; a stator, opposite to the rotor, with a gap being interposed between the rotor and the stator; a substrate, electrically connected with the stator; a first housing, formed of metal, being open on a side in an axial direction, and accommodating the stator; a second housing, fixed, on the side in the axial direction, to the first housing, accommodating the substrate, and having an insulating property; and a conductor, electrically connected with the substrate and the first housing. The substrate has a grounding pattern. The conductor has: a first connector, electrically connected with the first housing inside the first housing; and a second connector, electrically connected with the grounding pattern.