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MAEKAWA et al.(10) **Pub. No.: US 2023/0231434 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **COIL, STATOR COMPRISING SAME, AND MOTOR****Publication Classification**(71) Applicant: **Panasonic Intellectual Property Management Co., Ltd, Osaka (JP)**(72) Inventors: **TAKERU MAEKAWA, Osaka (JP); KAZUAKI NISHIMURA, Osaka (JP)**(21) Appl. No.: **17/998,944**(22) PCT Filed: **Apr. 27, 2021**(86) PCT No.: **PCT/JP2021/016750**

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(57)

ABSTRACT

A coil includes: a strand-wound body configured with stacked n turns of a wound strand that is made of a conductor and has a quadrangular cross-section, where n is a natural number; and an insulating resin covering a surface of the strand-wound body. An i -th turn, where i is an integer and $1 \leq i \leq n$, has a quadrangular ring shape having four side portions, and in the i -th turn, the insulating resin covers a surface of each of the four side portions. In the first to n -th turns, the insulating resin is continuously and integrally formed.

