



US 20240213833A1

(19) **United States**(12) **Patent Application Publication**  
**YAMASAKI**(10) **Pub. No.: US 2024/0213833 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **ROTOR, ROTARY ELECTRIC MACHINE,  
AND DRIVE APPARATUS**(52) **U.S. Cl.**CPC ..... **H02K 1/276** (2013.01); **H02K 7/116**  
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Dec. 26, 2022 (JP) ..... 2022-208293

**Publication Classification**(51) **Int. Cl.****H02K 1/276** (2006.01)**H02K 7/116** (2006.01)

(57)

**ABSTRACT**

The present invention is a rotor rotatable about a center axis, and includes a rotor core having a first magnet hole extending in an axial direction, a first magnet accommodated in the first magnet hole, and a low thermal conductive layer provided between a first outer surface of the first magnet facing radially outside and the rotor core. The low thermal conductive layer includes a low thermal conductive portion that is in contact with the first outer surface of the first magnet and the rotor core, and a void portion. The second outer surface of the first magnet facing radially inside is in contact with the rotor core. The thermal conductivity of the low thermal conductive portion is smaller than the thermal conductivity of the rotor core. A part of the first outer surface is exposed to the void portion.

