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(54) **ROTOR, ROTARY ELECTRIC MACHINE, AND DRIVE APPARATUS**

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(57) **ABSTRACT**

The present invention is a rotor rotatable about a center axis, and includes a rotor core having a plurality of magnet holes and a flow path through which a refrigerant flows, and a plurality of magnets accommodated in each of the plurality of magnet holes. The plurality of magnet holes and the flow path each extend in the axial direction. In a cross section orthogonal to the center axis, the flow path is surrounded by a plurality of magnets. The thermal resistance between the first outer surface facing the opposite side to the flow path side of each of the plurality of magnets and the rotor core is larger than the thermal resistance between the second outer surface facing the flow path side of each of the plurality of magnets and the rotor core.