

[Abstract]

ROTOR, METHOD FOR DESIGNING ROTOR, AND METHOD FOR PRODUCING
ROTOR

A rotor is a magnet-embedded rotor incorporated in a traveling motor of a
5 vehicle, and includes: a laminated core having steel sheets laminated to each other and a
bonding layer for bonding the steel sheets adjacent to each other in a laminating
direction; and a magnet embedded in the laminated core. When the rotor rotates at
11000 rpm, a maximum amount of displacement of an outer edge of the laminated core
of the rotor in a radial direction is 0.1 mm or less.

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FIG. 1