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### (54) MOTOR, FAN, AND AIR CONDITIONER

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#### (57)ABSTRACT

A motor includes a rotor and a stator. The rotor has a rotor core having an annular shape about an axis, and a permanent magnet attached to the rotor core. The permanent magnet forms a magnet magnetic pole, and a part of the rotor core forms a virtual magnetic pole. The stator has a stator core surrounding the rotor core in a radial direction about the axis, and a coil wound on the stator core. The stator core has a slot in which the coil is housed. The stator core has a first core part located at a center of the stator core in an axial direction, and a second core part located at an end of the stator core in the axial direction. An area of the slot in the second core part is larger than an area of the slot in the first core part.

