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(54) MOTOR

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(57)**ABSTRACT** 

A motor improves the accuracy of position estimation of a rotor. The rotor included in the motor includes a rotor core containing a magnetic material, a plurality of magnets located on the rotor core in a rotation direction of the rotor, and a plurality of Hall devices located on a mounting surface to detect a magnetic field from the magnets. The magnets have heights from the mounting surface varying regularly in the rotation direction of the rotor when the rotor has a central axis extending in a vertical direction.

