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(2013.01)(57) **ABSTRACT**

The present utility model relates to a motor. The motor includes a stator assembly and a rotor assembly, wherein the stator assembly includes a housing and a magnet, the rotor assembly includes a rotor, and the rotor, the magnet and the housing are arranged sequentially from inside to outside. Seen from an axial direction, an outer contour of the housing does not exceed the circumference of a first circle in a radial direction, and the outer contour of the housing coincides with the first circle at a portion thereof corresponding to a magnetic pole of the magnet, and the outer contour of the housing other than the portion corresponding to the magnetic pole of the magnet is recessed inward from the first circle in the radial direction, and the outer contour of the housing in a recessed portion is asymmetrical. Seen from the axial direction, the magnet is disposed between a second circle and a third circle. The housing and magnet of the utility model are smaller in volume and lighter in weight, maintain sufficient magnetic performance, and reduce the risk of demagnetization.

