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(54) **ROTOR, ELECTRIC MACHINE AND
VEHICLE**

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ABSTRACT

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A rotor includes a rotor shaft, having a rotation axis; a rotor body, fixed to the rotor shaft and formed of multiple stacked laminations. Magnet mounting grooves are provided in the rotor body, and multiple magnets are disposed in the magnet mounting grooves, with a gap formed between each magnet and an inner wall of the corresponding magnet mounting grooves. First and second end plates are respectively disposed at two ends of the rotor body along the rotation axis. A fluid cooling system includes a slot, disposed on one of the first end plate and second end plate, and located on a side of this end plate that faces towards the rotor body; a through-hole, disposed on the other of the first end plate and second end plate; and the gap. The slot, the gap and the through-hole are in fluid communication to form a cooling medium channel.

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