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(54) **ROTOR FOR AN ELECTRIC MACHINE**

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(57) **ABSTRACT**

A rotor for an electric machine may include a stack of ferrous laminations and a rotor core. The stack may be divided into a plurality of segments in a circumferential direction. At least one permanent magnet may be arranged between two adjacent segments of the plurality of segments. Each of the plurality of segments may have an opening extending in a radial direction outwards from a radially inner surface. The rotor core may connect the two adjacent segments. The rotor core may be formed via casting a non-ferrous material in a space disposed radially inwards of the plurality of segments and into the radially outwards extending opening of each of the plurality of segments. The opening of each of the plurality of segments may have a generally fir-tree shaped section profile.