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(54) **ROTOR FOR A PERMANENT MAGNET ROTATING ELECTRICAL MACHINE**

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(57) **ABSTRACT**

Provided is a rotor for a rotating electrical machine that includes a rotor body having an axis of rotation and at least one pair of circumferentially-adjacent pole modules each having a main body and a permanent magnet. At least one of each pair of pole modules is rotatable relative to the rotor body between a first position for normal operation where the magnetic fields generated by the permanent magnets of each pair of pole modules extend outside the rotor body and a second position for fault operation where the magnetic fields generated by the permanent magnets of each pair of pole modules do not extend substantially outside the rotor body.