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(54) **ELECTRICAL MACHINE HAVING STATOR SLEEVE**

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(71) Applicant: **ROLLS-ROYCE plc**, London (GB)

(72) Inventor: **Paul A. SMEETON**, Derby (GB)

(73) Assignee: **ROLLS-ROYCE plc**, London (GB)

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ABSTRACT

There is provided an electrical machine comprising: a rotor at least partially disposed within a rotor chamber; a stator core coaxially arranged with the rotor chamber; and a stator sleeve. The stator sleeve is annular and is positioned between the stator core and the rotor chamber. The stator sleeve comprises a magnetic material having a relative permeability of at least and an intrinsic coercivity no greater than 1 kAm^{-1} .

