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**ABSTRACT**

Electric motor having a stator and a rotor.

The invention relates to an electric motor, particularly for a hard-disk drive, having a stator comprising a cylindrical motor winding, which is carried by a mounting plate, and having a rotor (7), which carries on a rotatable hub (6) a rotor magnet which at its outer circumference (7a) generates a field perpendicular to the axis of rotation (16) and which surrounds the coil with a bell-shaped hub portion, the electric motor (1) having axial and radial bearing means (5a, 5b, 5c) for the hub (6) and having a soft-iron yoke (10), in which motor the coil configuration (9) is free from soft-magnetic parts and is externally surrounded with a sleeve-shaped soft-iron yoke (10).

Fig. 1a

