

ABSTRACT**MAGNET-BEARING ROTOR WITH A ONE-PIECE FRAME FOR A
WHEEL MOTOR**

The invention relates to a rotor (1) including a one-piece metal frame (2) comprising a cylindrical portion (4), closed on one side by a closure portion (5) forming a hub. Parallel axial rows (14) of permanent magnets (12) are mechanically and directly attached to the inner surface (13) of the cylindrical portion of the frame by strips (20) which are preferably non-magnetic, attached mechanically to the frame and arranged longitudinally between each row of magnets. These strips comprise a base, which rests on the frame and is extended by flaring by two outwardly inclined sides, which engage with inward inclined surfaces which have a complementary shape and are on the corresponding lateral edges of the adjacent magnets, such that these magnets are locked vertically and laterally.

(FIG. 1)