

Rotor for an Electric Machine

Abstract

5 A rotor for an electric machine is disclosed herein. The rotor comprises: a central shaft; a rotor drum arranged radially outward of the central shaft, wherein the rotor drum comprises a hollow cylinder for carrying permanent magnets on an inner and/or outer surface of the hollow cylinder, and wherein the rotor drum is coaxial with both the central shaft and a rotational axis of the rotor; and a cap arranged to couple the central shaft to the rotor drum to enable the
10 rotor drum and central shaft to rotate together about the rotational axis. An inner portion of the cap is coupled to the central shaft at a first position along the length of the rotational axis, and an outer portion of the cap is coupled to the rotor drum at a second position along the length of the rotational axis. The first position is at a different length along the rotational axis to the second position.

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[Figure 1]