

CYLINDRICAL MOTOR

ABSTRACT

A cylindrical motor having a rotor portion (2), comprising a rotational shaft (4) of a motor, a hub (6) attached to one end of the rotational shaft (4) for securing one end of cylindrical windings (5) disposed coaxially to the periphery of the rotational shaft (4), an insulating substrate (20) attached over the end face of the hub (6) in perpendicular to the axial direction of the rotational shaft (4) and a plurality of commutator segments (7) formed within a plane of the substrate (20) each at a predetermined pitch along the rotating direction of the rotational shaft (4), with the winding lead (21, 22, 23) of the cylindrical windings (5) being connected to each of the commutator segments (7). Arrangement and structure of the commutator segments disposed to the rotor portion of the cylindrical motor can be facilitated and simplified, as well as the cost can be reduced.

FIGURE 3