

Abstract of the Disclosure

Eccentric rotor, compact vibrator motor having the rotor and method of manufacturing the rotor.

An eccentric rotor is provide in which a bearing is integrally formed with a commutator itself so that the number of parts is reduced, the manufacturing cost is lowered and mass production thereof is possible. The eccentric rotor includes a printed wiring commutator base member where a shaft installation hole is formed at the center thereof and a plurality of segment patterns are formed at the periphery of one surface thereof, and formed to be eccentric as an expanded fan viewed from a plane to have an extension portion integrally formed with the segment patterns eccentric, an air-core armature coil integrally formed to be eccentric by an air-core armature coil position determination guide toward the other surface of the printed wiring commutator base member, an end connection portion of the air-core armature coil arranged at the printed wiring commutator base member within a range of not deviating from the turning circumference during rotation, a bearing portion inserted in the shaft installation hole so that part thereof protrudes toward the segment pattern and simultaneously the other part thereof is extended toward the other surface of the printed wiring commutator base member, and a resin eccentric weight arranged at the printed wiring commutator base member.

Figure 2