

Abstract of the Disclosure

Eccentric commutator, manufacturing method thereof and flat coreless vibrator motor using the eccentric commutator.

5 A compact flat type vibrator motor is provided in which movement of the center is secured in a commutator itself, an additional eccentric member does not need to be arranged, and the number of parts are reduced, so that mass production thereof is possible. A plurality of commutator pieces are formed in a commutator base member formed of a printed wiring board in which high density resin of a specific gravity of 3 or more is added at at least a portion thereof. Simultaneously, a
10 shaft receiving portion is formed at the central portion of the commutator base member. At least a high density resin portion is made eccentric so that an eccentric rotor is formed.

Figure 1