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(54) Title: AN ELECTRICAL MACHINE

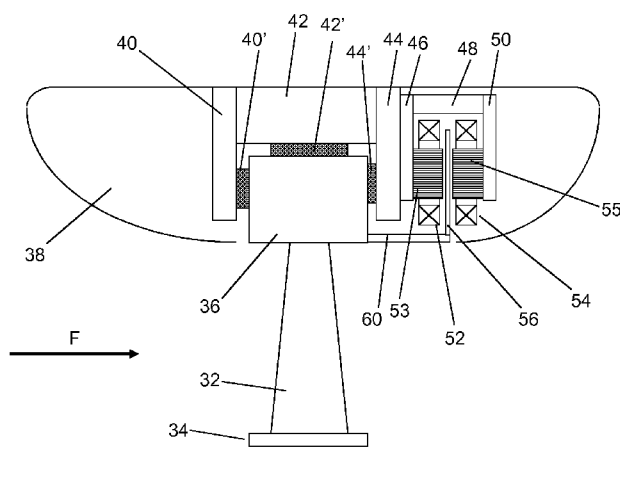


Figure 5

(57) Abstract: An electrical machine comprising a stator and a member arranged to move relative to said stator. The stator comprises a first stator structure incorporating a first plurality of windings disposed along the direction of relative motion and displaced from the movable member in a direction perpendicular to the direction of motion, and a second stator structure incorporating a second plurality of windings displaced in a second direction from the movable member, so that the movable member lies between the two stator structures. The movable member is arranged to electrically couple with the windings. The first plurality of windings includes a single phase winding connected to a first single-phase ac supply, and the second plurality of windings includes a single phase winding of the same pole pitch being displaced in the direction of relative motion from first plurality of windings and connected to a second single-phase ac supply whose phase is displaced from that of the first supply.