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[Continued on next page]

(54) **Title:** MOTOR FOR A PERSONAL SKIN CARE APPLIANCE

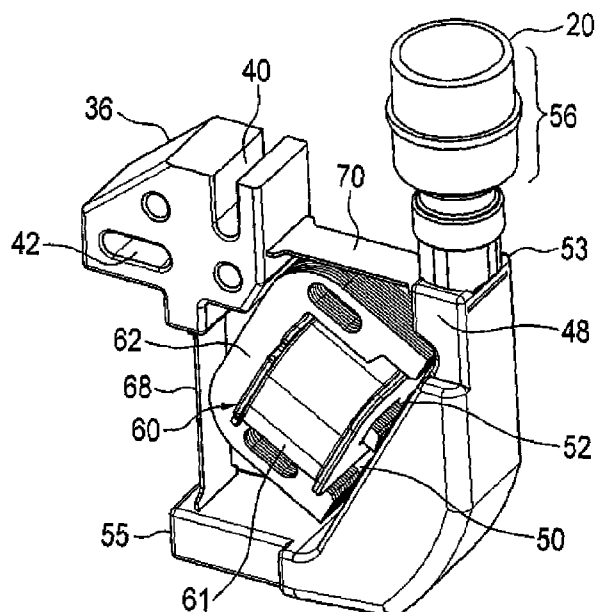


FIG. 5

(57) **Abstract:** The motor includes a rigid anchor member which is fixedly mounted to the applicator housing, an electromagnetic stator member and an armature. The armature includes a permanent magnet assembly and two leaf springs which connect the anchor member and the armature, the leaf springs being positioned at right angles to each other. The ratio of the lengths of the spring members is within the range of 0.75:1 to 0.95:1. A driving assembly produces an alternating current drive signal to the stator member which moves the armature and a skin contact member attached thereto in a reciprocating motion which includes a first component perpendicular to the skin, a second component parallel to the skin and a third arcuate component.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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