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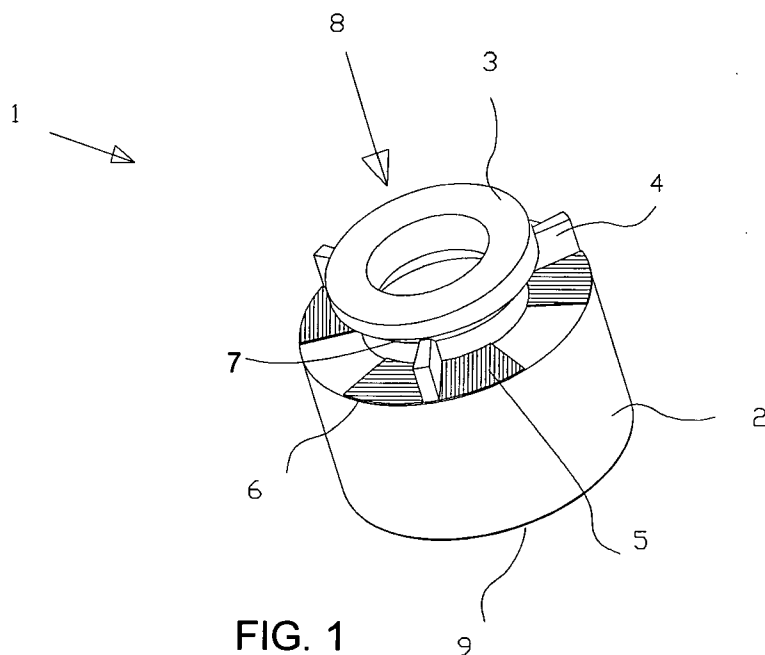


FIG. 1

(57) Abstract: A piezoelectric motor including a rotor, a stator including a piezoelectric material having axial polarization, the stator including at least three pairs of electrodes spaced from one another on a top end face thereof and a common electrode on a base end face thereof, and slabs affixed to the stator at spacings between the electrodes, wherein the rotor is pressed towards the slabs by a pre-load force, wherein when a positive charge is applied to a first of the electrodes and a negative charge is applied to a second of the electrodes and an electric common port is applied to the common electrode, D33 piezoelectric phenomenon is created, thereby causing the spacings between the electrodes to bend and the slabs to tilt, thus applying a frictional pushing side force against the rotor to cause the rotor to rotate.