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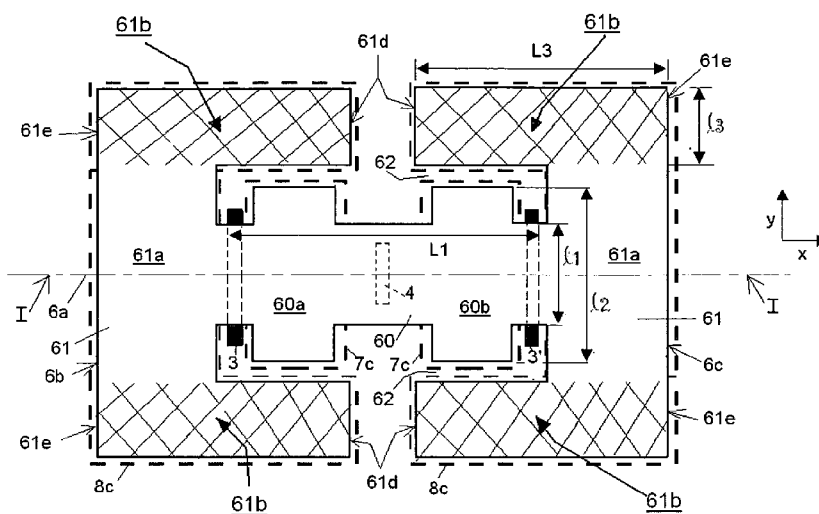


FIG. 4

(57) Abstract: The MEMS structure comprises: a flexible membrane (6), which has a main longitudinal axis (6a) defining a longitudinal direction (X), at least one pillar (3, 3') under the flexible membrane (6), electric lowering actuation means (7) that are adapted to bend down the flexible membrane (6) into a down forced state electric raising actuation means (8) that are adapted to bend up the flexible membrane (6) into an up forced state. The electric lowering actuation means (7) or the electric raising actuation means (8) comprise an actuation area (7c or 8c), that extends under a part of the membrane (6) and that is adapted to exert pulling forces on the membrane (6) simultaneously on both sides of the said at least one pillar (3) in the longitudinal direction (X).