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(71) Applicant: **SPIN APPLICAZIONI MAGNETICHE S.R.L.** [IT/IT]; Via Prato Grande, 2/1, Loc. Nibbiano, 29031 Alta Val Tidone (PC) (IT).

(72) Inventors: **TASSI, Alessandro**; c/o SPIN APPLICAZIONI MAGNETICHE S.R.L., Via G. Rossetti, 1, 29016 Cortemaggiore (PC) (IT). **BOTTERO, Umberto**; c/o SPIN APPLICAZIONI MAGNETICHE S.R.L., Via G. Rossetti, 1, 29016 Cortemaggiore (PC) (IT). **MANARI, Elena**; c/o SPIN APPLICAZIONI MAGNETICHE S.R.L., Via G. Rossetti, 1, 29016 Cortemaggiore (PC) (IT).

(74) Agent: **BOTTI & FERRARI S.P.A.**; Via Cappellini, 11, 20124 Milano (IT).

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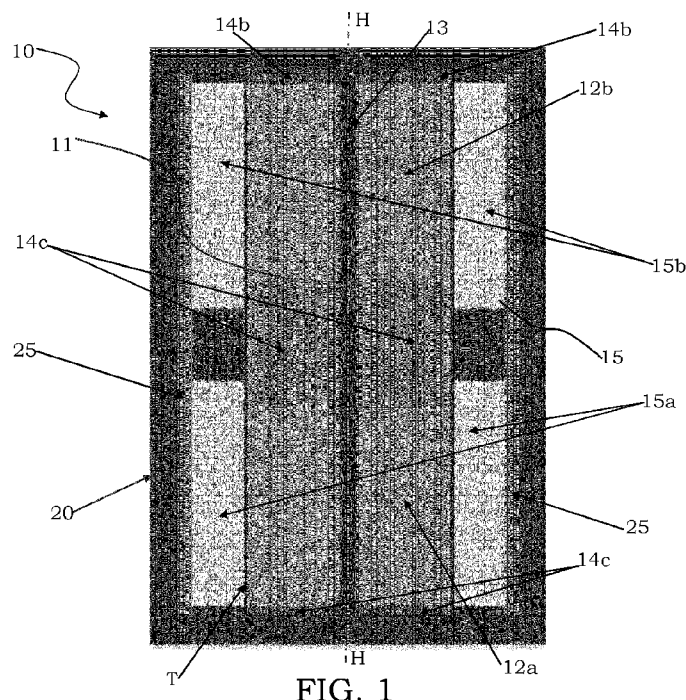


FIG. 1

(57) Abstract: An actuator device (10) is described, having a movable core (11) which includes at least one pair of permanent magnets (12a, 12b) which follow each other along an axis of symmetry (H-H) thereof, the movable core (11) being movable between a rest position and an extended position, at least one coil (15, 15a, 15b) which is at least partially wound around the movable core (11) and configured to generate an electromagnetic field when current flows therethrough, so as to cause the movement of the movable core (11) from the rest position to the extended position and vice versa, and a fixed element (25) which is at least partially arranged around the movable core (11); the permanent magnets (12a, 12b) and the fixed element (25) are configured to generate a magnetic force (F_m) between the movable core (11) and said fixed element (25), said magnetic force being apt to drive said movable core (11) towards the rest position when said movable core is in the extended position.

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