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Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) **Title:** RF MEMS CROSSPOINT SWITCH AND CROSSPOINT SWITCH MATRIX COMPRISING RF MEMS CROSS-POINT SWITCHES

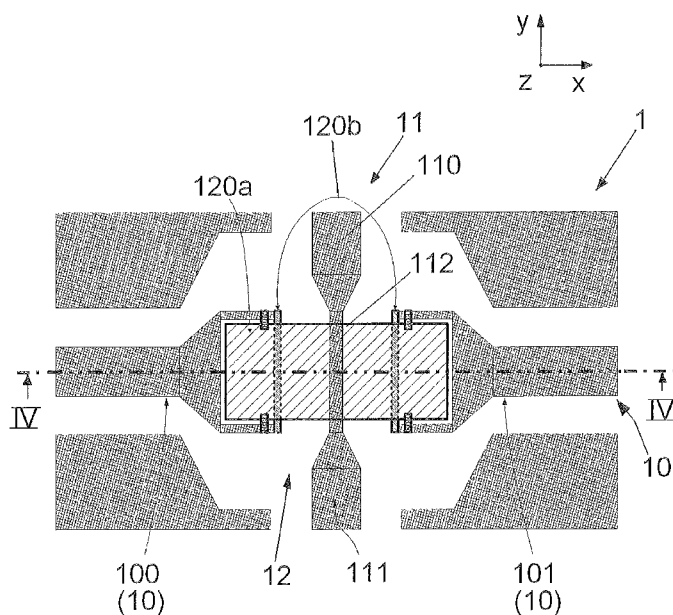


FIG.3

(57) **Abstract:** The RF MEMS crosspoint switch (1) comprising a first transmission (10) line and a second transmission line (11) that crosses the first transmission line; the first transmission line (10) comprises two spaced-apart transmission line portions (100, 101), and a switch element (12) that permanently electrically connects the said two spaced-apart transmission line portions (100, 101); the second transmission line (11) crosses the first transmission line (10) between the two spaced-apart transmission line portions (100, 101); the RF MEMS crosspoint switch (1) further comprises actuation means (121) for actuating the switch element (12) at least between a first position, in which the switch element (12) is electrically connecting the said two spaced-apart transmission line portions (100, 101) of the first transmission line (10) and the first (10) and second (11) transmission lines are electrically disconnected, and a second position, in which the switch element (12) is electrically connecting the said two spaced-apart transmission line portions (100, 101) of the first transmission line (10) and is also electrically connecting the two transmission lines (10, 11) together.

— *of inventorship (Rule 4.17(iv))*

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