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(71) Applicants: UNIVERSITA' DEGLI STUDI DI MESSINA [IT/IT]; PIAZZA S. PUGLIATTI, 1, 98122 MESSINA (ME) (IT). POLITECNICO DI BARI [IT/IT]; VIA AMENDOLA, 126/b, 70126 BARI (BA) (IT).

(72) Inventors: FINOCCHIO, Giovanni; VIALE ANNUNZIATA, 40, 98168 MESSINA (ME) (IT). GARESCI, Francesca; VIALE ANNUNZIATA, 40, 98168 MESSINA (ME) (IT). RAIMONDO, Eleonora; VIA MACEO, 77, 98050 TERME VIGLIATORE (ME) (IT). CARPENTIERI, Mario; VIA EMILIA PONENTE, 134, 40133 BOLOGNA (BO) (IT). MEO, Andrea; VIA SAN PIETRO, 70, 20033 SOLARO (MI) (IT). RÖHE SALOMON DA ROSA RODRIGUES, Davi; VIA DOMENICO NICOLAI, 164, 70122 BARI (BA) (IT).

PULIAFITO, Vito; VIA PAPA GIOVANNI XXIII, 235, 98051 BARCELLONA POZZO DI GOTTO (ME) (IT).

(74) Agent: AVV. NATALIA GIULIANO - STUDIO RUBINO SRL; VIA L. DELLA VALLE, 84, 88100 CATANZARO (CZ) (IT).

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(54) Title: MAGNETO-MECHANICAL ACCELEROMETER

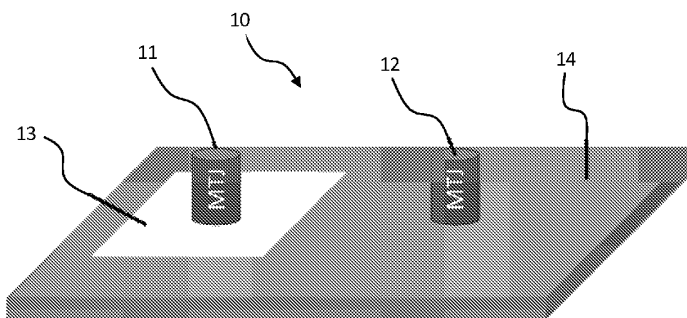


Fig. 1

(57) Abstract: Magneto-mechanical accelerometer (10) comprising a first magnetic tunnel junction (11) fixedly mounted, and a magnetic component mounted movable with respect to the first junction (11), so as to be able to approach/move away from it during the acceleration phases to which the accelerometer is subject. The magnetic component is a further magnetic tunnel junction (12) or a permanent magnet. The first junction (11) and the magnetic component are coupled mechanically and magnetically. The accelerometer further comprises a processing circuit.

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