Title (en)
PUMP ACTUATED BY AN ELECTRODYNAMIC TRANSDUCER AND METHOD FOR MAKING SUCH A PUMP

Title (de)
MITTELSELEKTRODYNAMISCHEM WANDLER ERREGTE PUMPE SOWIE VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
POMPE ACTIONNEE PAR UN TRANSDUCTEUR ELECTRODYNAMIQUE ET PROCEDE DE FABRICATION D'UNE TELLE POMPE

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Application
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Abstract (en)
[origin: FR2771782A1] The invention concerns a vacuum pump element with liquid discharge rate and pressure comprising means (21, 22) for forced circulation of the liquid by an electrodynamic transducer mobile in translation (40) consisting of a piston (41) engaged in an axial bore (13) of a fixed body (10), the latter comprising a magnetic circuit (30) with reduced air gap (34) and the mobile element comprising in particular an electric coil (43) fixed to at least a second part (41) to be controlled in reciprocating rectilinear displacement and engaged in the air gap so as to cause the mobile element to move in a reciprocating translation motion. The invention is characterised in that the mobile element (40) comprises a linking part (45) hydrodynamic in shape making the second part (41) integral with the coil (43).

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