

Title (en)
ELECTRONIC MICRO-PUMP

Title (de)
ELEKTRONISCHE MIKROPUMPE

Title (fr)
MICROPOMPE ELECTRONIQUE

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Abstract (en)
[origin: WO0247826A1] The invention concerns an electronic micro-pump provided with a cylindrical body (1) containing a metering chamber (10) delimited by a piston (2) and communicating with a reservoir via a supply orifice (10a) equipped with an intake valve and with outside via an ejection orifice (10b) equipped with an exhaust valve. The invention is characterised in that the piston (2) is connected to an external reciprocating actuator and at least one of said valves consists of a closing element (3, 6, 7) adapted to be driven in translation, by friction contact with said piston (2) successively in one direction then in the other and whereof the stroke in the chamber (10) is shorter than that of the piston.

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