

Title (en)
Vibration pump

Title (de)
Schwingankerpumpe

Title (fr)
Pompe à vibration

Publication
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Application
EP 04425429 A 20040611

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Abstract (en)
[origin: EP1607629A1] A vibration pump, comprising a coil (7) of a known type that is provided with a rectilinear solenoid winding and first and second valve means (3, 5) for controlling the flow of the passing fluid respectively in a suction duct (2b) and in a delivery duct (11a). Inside the coil (7) and coaxially thereto, a moving core (9) made of ferromagnetic material is provided, which can perform an axial translational motion with respect to the coil. The pump according to the present invention is characterized in that it comprises a fixed core (11), also made of ferromagnetic material and is adapted to increase the magnetic induction of the circuit and capable of acting as a magnetic attraction pole for the moving core (9). The pump is also characterized in that the second valve means (5) are arranged inside the moving core (9). <IMAGE>

IPC 8 full level
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CPC (source: EP)
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Cited by
ITMI20082174A1; CN105971838A; IT201800003064A1; ITMI20120078A1; CN106460815A; CN116209529A; US9816496B2; WO2016139531A1; WO2015162221A1; WO2019166954A1

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