

Title (en)
Pump with double-effect valve

Title (de)
Doppelt wirkendes Pumpenventil

Title (fr)
Soupape de pompe à double effet

Publication
EP 1205663 B1 20050504 (EN)

Application
EP 01126094 A 20011102

Priority
IT MI20000637 U 20001110

Abstract (en)
[origin: EP1205663A1] A pump (10) with a double-effect valve, especially a vibration type valve with oscillating plunger or piston (20) from ferromagnetic material, included in a container (12) circumscribed by a bobbin (14) with the related bushings (16) and magnetic spacer (18), cooperating with a first valve (22) abutting along the delivery duct obtained in the hollow front body (28), and with a second valve (24) located along the suction duct (48), said first (22) and said second valves (24) being spaced out by a mobile spacer or lid (26), and said second valve (24) being so located as to strike on the upper part said spacer (26) and in the lower part the upper mouth of piston (20). <IMAGE>

IPC 1-7
F04B 17/04

IPC 8 full level
F04B 17/04 (2006.01)

CPC (source: EP)
F04B 17/046 (2013.01)

Cited by
EP1607629A1; IT201800003064A1; ITMI20120078A1; ITGE20120097A1; EP2711548A3; EP2873857A1; CN104653448A; CN100335780C; EP1365149A3; EP1482176A3; DE102007007297A1; DE202007019534U1; WO2008110187A1; WO2019166954A1; WO2015140686A1; US10368687B2; US7413415B2; WO2015140688A1; US10376093B2

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