

Title (en)
Electromagnetically operated pump

Title (de)
Elektromagnetische Pumpe

Title (fr)
Pompe électromagnétique

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EP 1319832 B1 20080409 (EN)

Application
EP 02102744 A 20021212

Priority
IT MI20012647 A 20011213

Abstract (en)
[origin: EP1319832A2] An electromagnetically operated pump to feed two-stroke internal-combustion engines with precise and controlled amounts of oil comprises, in a casing (1): a cylinder (2); a piston element (3) with a through pipe (4), axially movable in said cylinder (2); an electromagnetic coil (11) coaxial to the cylinder (2), to control the movements of the piston element (3) against the action of spring means (15, 16, 17, 18); a pumping chamber (8) for the oil to be fed, coaxial to the cylinder (2) and close to a first base (7) thereof; and valve means (19, 20) housed in said casing (1) and in said chamber (8), one of said means (19) cooperating with said piston element (3). According to the invention, said electromagnetic coil (11) is an annular coil which surrounds the piston element (3) and acts frontwards onto a keeper (14) of ferromagnetic material, close and parallel to the second base (9) of the cylinder (2) and connected to the second end (12) of the piston element (3), said annular coil (11) projecting from said second base (9) of the cylinder (2). <IMAGE>

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