

Title (en)

Solenoid piston pump for injection of an additive, with integrated reverse flow mode and able to create and regulate high pressure

Title (de)

Elektromagnetische Kolbenpumpe zur Injektion eines Additivs mit integriertem Umkehrflussmodus und der Fähigkeit zur Erzeugung und Regulierung von hohem Druck

Title (fr)

Pompe à piston de solénoïde pour l'injection d'un additif, avec mode d'écoulement inverse intégré et capable de créer et de réguler une pression élevée

Publication

EP 2650539 A1 20131016 (EN)

Application

EP 12305423 A 20120411

Priority

EP 12305423 A 20120411

Abstract (en)

A pump comprising a casing (100) which houses a piston (210) actuated in reciprocate displacement thanks to a coil (250) so as to successively suck liquid from a tank and expel such liquid to an output (14), in a pumping mode, characterized in that said casing (100) further includes on said output (14) a valve module (300) actuated by an auxiliary coil (350) so as to selectively reverse the way of liquid circulation into the casing.

IPC 8 full level

F04B 17/04 (2006.01); **F04B 35/04** (2006.01)

CPC (source: EP)

F04B 17/04 (2013.01); **F04B 35/045** (2013.01)

Citation (search report)

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- [X] US 5833211 A 19981110 - BERLING JAMES T [US]
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2650539 A1 20131016

DOCDB simple family (application)

EP 12305423 A 20120411