

Title (en)
Metering pump

Title (de)
Dosierpumpe

Title (fr)
Pompe de dosage

Publication
EP 1748188 A1 20070131 (DE)

Application
EP 05016570 A 20050729

Priority
EP 05016570 A 20050729

Abstract (en)
The dosing pump has an electromagnetic coil (4) mounted in a housing (1) and radially surrounding an axially movable armature (19). A pump piston (14) is fixedly connected to the armature to form a delivery unit (23) which when the coil is excited moves from the starting delivery position where the connecting duct is closed and the inlet (21) is opened into the suction position where the connecting duct (16) is opened and the fuel can flow out from the intermediate chamber (17) into the pump chamber (15). The delivery or supply movement where the delivery unit moves from the suction position to the delivery position is carried out solely through the action of the spring mechanism (20) provided between the delivery unit and a stop (24) connected to the housing.

IPC 8 full level
F04B 13/00 (2006.01); **F04B 17/04** (2006.01)

CPC (source: EP)
F04B 13/00 (2013.01); **F04B 17/048** (2013.01)

Citation (search report)
• [X] DE 10103224 C1 20021205 - EBERSPAECHER J GMBH & CO [DE]
• [XA] DE 29919575 U1 20000831 - AGF PUMPEN UND FLUESSIGKEITSTE [DE]
• [A] DE 4205290 A1 19930826 - THOMAS TECHNIK KG GES FUER MAG [DE]

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DE FR GB IT NL SE

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