

Title (en)
Dosage pump

Title (de)
Dosierpumpe

Title (fr)
Pompe de dosage

Publication
EP 1832746 A3 20090729 (EN)

Application
EP 07102387 A 20070214

Priority
IT PD20060025 U 20060216

Abstract (en)
[origin: EP1832746A2] A dosage pump, of the type comprising a hollow body (11) which is adapted to be interposed between pipe portions of a hydraulic circuit and is provided internally with a rotating element (12) provided with vanes, which rotates as a consequence of the flowing fluid and is associated with means (13) for transmission and speed reduction and with means (14) for converting the rotary motion into reciprocating rectilinear motion, which in turn are connected to means (15) for drawing and pumping the liquid to be dosed, the latter means being provided, inside a container (16) for the liquid which is fixed to the hollow body (11), by an injection stem (17) which is moved by the motion conversion means (14) so as to enter and exit with its end (18) from a dosage chamber (19), which on the opposite side with respect to the entry side for the injection stem (17) is closed by a flow control element (20), which is pushed closed by elastic means (21); the chamber (19) is connected to the inside of the container (16) on the side of the stem (17) and to a channel (22) for connection to a tube (23) for the rise of the dosed liquid on the side of the flow control element (20) toward the hollow body (11). The chamber (19) and the connection channel (22) are formed in a single body (24), inside which the flow control element (20) with its elastic closure means (21) is also fitted.

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

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

Citation (search report)

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