

Title (en)
IMPROVED PRECOMPRESSION PUMP

Title (de)
VERBESSERTE VORDRUCKPUMPE

Title (fr)
POMPE A PRÉCOMPRESSION AMÉLIORÉE

Publication
EP 2961534 A1 20160106 (FR)

Application
EP 14709995 A 20140213

Priority
• FR 1351296 A 20130215
• FR 2014050278 W 20140213

Abstract (en)
[origin: WO2014125216A1] Pump for dispensing a fluid product, comprising a piston (1) secured to an actuating rod (2) and sliding in a pump body (3) comprising a pump chamber defined between an inlet valve (11) and an outlet valve (12), said outlet valve (12) comprising an outlet valve element (39; 35), in which pump, upon actuation, said outlet valve element (39; 35) slides in fluidtight manner in the pump body (3), said pump body (3) comprising passage means (40) formed by at least part of the pump body of a greater internal diameter so that at the end of pump actuation said outlet valve element (39, 35) collaborates in a non-fluidtight manner with said passage means (40) in order to open said outlet valve (12) to allow the product contained in the pump chamber to be expelled.

IPC 8 full level
B05B 11/00 (2006.01); **F04B 7/04** (2006.01); **F04B 9/14** (2006.01); **F04B 13/00** (2006.01); **F04B 53/10** (2006.01)

CPC (source: EP US)
B05B 11/1023 (2023.01 - US); **B05B 11/1039** (2023.01 - EP US); **B05B 11/1052** (2023.01 - US); **B05B 11/1073** (2023.01 - US)

Citation (search report)
See references of WO 2014125216A1

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)
WO 2014125216 A1 20140821; CN 105073274 A 20151118; EP 2961534 A1 20160106; EP 2961534 B1 20170412; FR 3002293 A1 20140822; FR 3002293 B1 20150410; US 2016008833 A1 20160114; US 9707581 B2 20170718

DOCDB simple family (application)
FR 2014050278 W 20140213; CN 201480008816 A 20140213; EP 14709995 A 20140213; FR 1351296 A 20130215; US 201414762268 A 20140213