

Title (en)

DOSING PUMP WITH CONTROL DEVICE OF THE PISTON STROKE

Title (de)

DOSIERPUMPE MIT STEUERUNGSVORRICHTUNG FÜR DEN KOLBENHUB

Title (fr)

POMPE DE DOSAGE AVCE UN DISPOSITIF DE REGLAGE DE LA COURSE DU PISTON

Publication

EP 2547909 B1 20160106 (EN)

Application

EP 11721379 A 20110316

Priority

- IT RM20100119 A 20100317
- IT 2011000074 W 20110316

Abstract (en)

[origin: WO2011114365A1] A device for controlling the stroke of a piston 3 of a metering pump comprising an electromagnet 1 formed by a fixed part and a mobile part fixed with respect to said piston 3 in such a way that at each displacement of the piston there corresponds a different value of inductance of the electromagnet 1 and hence of the piston stroke itself.

IPC 8 full level

F04B 13/00 (2006.01)

CPC (source: EP US)

F04B 13/00 (2013.01 - EP US); **F04B 43/04** (2013.01 - EP US); **F04B 49/06** (2013.01 - EP US)

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 2011114365 A1 20110922; WO 2011114365 A8 20111208; BR 112012021837 A2 20160517; CN 102803726 A 20121128;
CN 102803726 B 20160420; DK 2547909 T3 20160411; EA 024119 B1 20160831; EA 201290916 A1 20130628; EP 2547909 A1 20130123;
EP 2547909 B1 20160106; ES 2567407 T3 20160422; IL 221644 A0 20121202; IL 221644 A 20150531; IL 239085 A0 20150730;
IL 239085 A 20160630; IT 1398982 B1 20130328; IT RM20100119 A1 20110918; JP 2013522531 A 20130613; JP 5984304 B2 20160906;
PL 2547909 T3 20160729; UA 111469 C2 20160510; US 2012321485 A1 20121220

DOCDB simple family (application)

IT 2011000074 W 20110316; BR 112012021837 A 20110316; CN 201180014096 A 20110316; DK 11721379 T 20110316;
EA 201290916 A 20110316; EP 11721379 A 20110316; ES 11721379 T 20110316; IL 22164412 A 20120826; IL 23908515 A 20150528;
IT RM20100119 A 20100317; JP 2012557656 A 20110316; PL 11721379 T 20110316; UA A201211912 A 20110316;
US 201113580721 A 20110316