

Title (en)  
DEVICE FOR DISPENSING A LIQUID ADDITIVE INTO A FUEL CIRCULATION CIRCUIT FOR AN INTERNAL COMBUSTION ENGINE, VEHICLE COMPRISING SUCH A DEVICE, AND METHOD FOR USING SAID DEVICE

Title (de)  
VORRICHTUNG ZUR ABGABE EINES FLÜSSIGEN ZUSATZSTOFFS IN EINEN BRENNSTOFFKREISLAUF FÜR EINEN VERBRENNUNGSMOTOR, FAHRZEUG MIT EINER SOLCHEN VORRICHTUNG UND VERFAHREN ZUR VERWENDUNG DIESER VORRICHTUNG

Title (fr)  
DISPOSITIF DE DISTRIBUTION D'UN ADDITIF LIQUIDE DANS UN CIRCUIT DE CIRCULATION DE CARBURANT POUR UN MOTEUR À COMBUSTION INTERNE, VÉHICULE COMPORTANT UN TEL DISPOSITIF ET PROCÉDÉ D'UTILISATION DUDIT DISPOSITIF

Publication  
**EP 2739843 A1 20140611 (FR)**

Application  
**EP 12743424 A 20120724**

Priority  
• FR 1157206 A 20110805  
• EP 2012064523 W 20120724

Abstract (en)  
[origin: WO2013020805A1] The invention relates to a device for dispensing a liquid additive into a fuel circulation circuit (2) for an internal combustion engine, in particular for an engine with which a vehicle is fitted, wherein said device comprises: a tank (26) containing the additive; a chamber (24) which is in communication with the fuel circulation circuit (2), and inside which the tank (26) containing the additive is inserted; an additive-injecting means connected to the tank (26) and to the fuel circulation circuit (2), for dispensing the additive into the fuel circulation circuit (2); and a means for controlling the injection means.

IPC 8 full level  
**F02M 25/10** (2006.01); **F02D 19/12** (2006.01); **F02D 41/00** (2006.01); **F02M 37/00** (2006.01)

CPC (source: EP RU US)  
**F02D 19/12** (2013.01 - EP RU US); **F02D 41/0025** (2013.01 - EP US); **F02M 25/10** (2013.01 - EP RU US); **F02M 37/0047** (2013.01 - EP RU US); **F02M 37/0082** (2013.01 - EP RU US); **F02D 41/0025** (2013.01 - RU); **F02D 2200/0611** (2013.01 - EP US)

Citation (search report)  
See references of WO 2013020805A1

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

DOCDB simple family (publication)  
**FR 2978803 A1 20130208**; **FR 2978803 B1 20150410**; BR 112014002417 A2 20170314; CA 2843028 A1 20130214; CA 2843028 C 20160920; CN 103890368 A 20140625; CN 103890368 B 20160907; EP 2739843 A1 20140611; EP 2739843 B1 20150819; ES 2550972 T3 20151113; JP 2014524534 A 20140922; JP 5873172 B2 20160301; KR 101870866 B1 20180625; KR 20140096021 A 20140804; MX 2014001390 A 20150320; MX 351858 B 20171031; RU 2014108312 A 20150910; RU 2606166 C2 20170110; US 2014238349 A1 20140828; US 9938943 B2 20180410; WO 2013020805 A1 20130214

DOCDB simple family (application)  
**FR 1157206 A 20110805**; BR 112014002417 A 20120724; CA 2843028 A 20120724; CN 201280038736 A 20120724; EP 12743424 A 20120724; EP 2012064523 W 20120724; ES 12743424 T 20120724; JP 2014523287 A 20120724; KR 20147005902 A 20120724; MX 2014001390 A 20120724; RU 2014108312 A 20120724; US 201214236546 A 20120724