

Title (en)

ANTI-CLOGGING DEVICE FOR DIESEL EXHAUST FLUID SUPPLY

Title (de)

VERSTOPFUNGSSCHUTZVORRICHTUNG FÜR EINEN DIESELABGASFLÜSSIGKEITSBEHÄLTER

Title (fr)

DISPOSITIF ANTI-OBSTRUCTION POUR APPAREIL D'ALIMENTATION EN FLUIDE D'ÉCHAPPEMENT DIESEL

Publication

EP 3126645 A4 20180117 (EN)

Application

EP 15774127 A 20150327

Priority

- US 201461975152 P 20140404
- US 2015023042 W 20150327

Abstract (en)

[origin: WO2015153350A1] An apparatus for supplying Diesel Exhaust Fluid to an engine exhaust gas treatment system includes a reservoir to collect trapped air if the dosing module is clogged with crystalized urea. The reservoir is placed at the dosing valve inlet on a T-connection. The reservoir provides a closed chamber to receive trapped air in the DEF supply line, allowing DEF to flow to the dosing module. When DEF contacts the crystallized urea causing the clog, the urea dissolves, freeing the injector so that normal action of the dosing module is restored.

IPC 8 full level

F01N 3/28 (2006.01); **F01N 3/20** (2006.01)

CPC (source: EP US)

F01N 3/2066 (2013.01 - EP US); **F01N 2610/00** (2013.01 - EP); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/08** (2013.01 - EP US); **F01N 2610/14** (2013.01 - EP); **F01N 2610/1406** (2013.01 - US); **F01N 2610/1433** (2013.01 - US); **F01N 2610/1493** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

- [X] DE 102006061734 A1 20080703 - BOSCH GMBH ROBERT [DE]
- [X] EP 2669484 A2 20131204 - BOSCH GMBH ROBERT [DE]
- [XA] EP 2151559 A1 20100210 - MAGNETI MARELLI POWERTRAIN SPA [IT]
- See references of WO 2015153350A1

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)

WO 2015153350 A1 20151008; EP 3126645 A1 20170208; EP 3126645 A4 20180117; US 2017002710 A1 20170105

DOCDB simple family (application)

US 2015023042 W 20150327; EP 15774127 A 20150327; US 201515125605 A 20150327