

Title (en)

SYSTEM AND PROCESS FOR STORING AN ADDITIVE AND INJECTING IT INTO THE EXHAUST GASES OF AN ENGINE

Title (de)

SYSTEM UND VERFAHREN ZUR SPEICHERUNG EINES ZUSATZES UND DESSEN INJIZIERUNG IN ABGASE EINES MOTORS

Title (fr)

SYSTÈME ET PROCÉDÉ PERMETTANT DE STOCKER UN ADDITIF ET DE L'INJECTER DANS LES GAZ D'ÉCHAPPEMENT D'UN MOTEUR

Publication

EP 2047076 A1 20090415 (EN)

Application

EP 07787340 A 20070711

Priority

- EP 2007057066 W 20070711
- FR 0606425 A 20060713

Abstract (en)

[origin: WO2008006840A1] System for storing an additive solution and injecting it into the exhaust gases of an internal combustion engine, said system comprising a tank (1) for storing the additive and a rotary pump (3), a metering valve (4) and an injector (8) which are separate devices, this system making it possible to meter and inject the additive solution into the exhaust gases as is, without diluting it with a gas. In this system, the pump outlet pressure is regulated by adjusting the rotational speed of the pump. Process using such a system.

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP US)

F01N 3/2066 (2013.01 - EP US); **F01N 2610/02** (2013.01 - EP US); **F01N 2610/14** (2013.01 - EP US); **F01N 2610/1473** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2008006840A1

Cited by

US8667783B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008006840 A1 20080117; CN 101506482 A 20090812; EP 2047076 A1 20090415; US 2009205316 A1 20090820

DOCDB simple family (application)

EP 2007057066 W 20070711; CN 200780030617 A 20070711; EP 07787340 A 20070711; US 37300907 A 20070711