

Title (en)
INJECTION SYSTEM HAVING A DEVICE FOR METERING FUEL INTO AN EXHAUST SYSTEM OF AN INTERNAL COMBUSTION ENGINE, AND A METHOD FOR THIS PURPOSE

Title (de)
EINSPRITZSYSTEM MIT EINER VORRICHTUNG ZUM DOSIEREN VON KRAFTSTOFF IN EIN ABGASSYSTEM EINER BRENNKRAFTMASCHINE UND EINEM VERFAHREN HIERZU

Title (fr)
SYSTEME D'INJECTION DOTE D'UN DISPOSITIF DE DOSAGE DE CARBURANT DANS UN SYSTEME DE GAZ D'ECHAPPEMENT D'UN MOTEUR A COMBUSTION INTERNE ET PROCEDE CORRESPONDANT

Publication
EP 1989410 A1 20081112 (DE)

Application
EP 07703343 A 20070208

Priority
• EP 2007001064 W 20070208
• DE 102006009099 A 20060228

Abstract (en)
[origin: DE102006009099A1] The system has a high pressure pump delivering fuel into an accumulator and charged under pressure. An injector is connected with the accumulator, and injects the fuel from the accumulator into a combustion chamber of an internal combustion engine. An injection nozzle is attached to an exhaust gas system, and is connected with the system by an inlet, where a check valve (39) and a dosing valve are provided in the inlet. A pressure regulating valve (41) is arranged between the check valve and the dosing valve, and is connected with the system by an outlet (37). An independent claim is also included for charging fuel in an exhaust gas system of an internal combustion engine for an injection system.

IPC 8 full level
F01N 3/025 (2006.01); **F01N 3/20** (2006.01); **F01N 3/36** (2006.01)

CPC (source: EP US)
F01N 3/0253 (2013.01 - EP US); **F02M 63/025** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **F01N 2610/1446** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 102006009099 A1 20070830; CN 101389835 A 20090318; CN 101389835 B 20110216; DE 502007001581 D1 20091105; EP 1989410 A1 20081112; EP 1989410 B1 20090923; JP 2009528472 A 20090806; JP 4898842 B2 20120321; US 2009050109 A1 20090226; US 7942131 B2 20110517; WO 2007098845 A1 20070907

DOCDB simple family (application)
DE 102006009099 A 20060228; CN 200780006939 A 20070208; DE 502007001581 T 20070208; EP 07703343 A 20070208; EP 2007001064 W 20070208; JP 2008556680 A 20070208; US 22989808 A 20080827