

Title (en)
INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINE

Title (de)
INJEKTIONSSYSTEM FÜR VERBRENNUNGSMOTOR

Title (fr)
SYSTEME D'INJECTION POUR MOTEUR A COMBUSTION INTERNE

Publication
EP 1448887 B1 20050406 (FR)

Application
EP 02803432 A 20021107

Priority
• FR 0203806 W 20021107
• FR 0114896 A 20011119

Abstract (en)
[origin: FR2832462A1] The invention concerns an injection system (1) for an internal combustion engine comprising at least an injection means (5), means for supplying pressurized fuel (2), an accumulator (3) common to each injection means (5) containing pressurized fuel supplied by said supply means. The invention is characterized in that the system (1) further comprises, between each injection means (5) and said accumulator, a pressurized fuel storage device (4) supplied by said accumulator, said storage device being designed at start-up to release said stored pressurized fuel towards its associated injection means so as to supply it with fuel under sufficient pressure faster than with said supply means alone. The invention is particularly applicable for stop and start operating mode.
[origin: FR2832462A1] The motor vehicle fuel injection system (1) has injectors (5) with a pressure feed (2) for fuel and an accumulator (3) common for each injector. Between the accumulator and each injector is a fuel storage holder (4) to hold fuel under pressure. On starting, the store feeds extra fuel to the respective injector.

IPC 1-7
F02M 63/02

IPC 8 full level
F02M 59/44 (2006.01); **F02M 63/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 59/447 (2013.01); **F02M 63/0225** (2013.01); **F02M 2200/40** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
FR 2832462 A1 20030523; FR 2832462 B1 20040102; AT E292755 T1 20050415; DE 60203643 D1 20050512; DE 60203643 T2 20060309; EP 1448887 A1 20040825; EP 1448887 B1 20050406; WO 03044360 A1 20030530

DOCDB simple family (application)
FR 0114896 A 20011119; AT 02803432 T 20021107; DE 60203643 T 20021107; EP 02803432 A 20021107; FR 0203806 W 20021107