

Title (en)
FUEL INJECTION SYSTEM

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)
SYSTEME D'INJECTION DE CARBURANT

Publication
EP 1117929 A1 20010725 (DE)

Application
EP 99970151 A 19990913

Priority
• DE 9902896 W 19990913
• DE 19845556 A 19981002

Abstract (en)
[origin: DE19845556A1] The invention relates to a fuel injection system (1) for an internal combustion engine and to a method for controlling an injection system. According to said method, the fuel that is not required by a common-rail (14) is returned via a return line (24) to a fuel line area between a fuel filter (8) and a fuel tank (2). The fuel is heated as a result of being returned in this way, which prevents the filter (8) from becoming plugged below the cold filter plugging point.

IPC 1-7
F02M 63/02; **F02M 55/00**; **F02M 53/00**

IPC 8 full level
F02D 33/00 (2006.01); **F02D 41/38** (2006.01); **F02M 37/00** (2006.01); **F02M 53/00** (2006.01); **F02M 55/00** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)
F02D 33/006 (2013.01); **F02D 41/3845** (2013.01); **F02M 37/0052** (2013.01); **F02M 63/0225** (2013.01)

Citation (search report)
See references of WO 0020754A1

Cited by
KR100828224B1

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

DOCDB simple family (publication)
DE 19845556 A1 20000406; DE 59903782 D1 20030123; EP 1117929 A1 20010725; EP 1117929 B1 20021211; WO 0020754 A1 20000413

DOCDB simple family (application)
DE 19845556 A 19981002; DE 59903782 T 19990913; DE 9902896 W 19990913; EP 99970151 A 19990913