

Title (en)
HIGH PRESSURE INJECTION SYSTEM

Title (de)
HOCHDRUCKEINSPRITZSYSTEM

Title (fr)
SYSTEME D'INJECTION DE CARBURANT A HAUTE PRESSION

Publication
EP 2935857 B1 20160907 (DE)

Application
EP 13795775 A 20131126

Priority
• DE 102012224004 A 20121220
• EP 2013074777 W 20131126

Abstract (en)
[origin: WO2014095271A1] An injector system (42), comprising at least one injector (44) with at least one return opening (56) for a hydraulic coupler (51), comprising an injector return line (57) which is connected in hydraulically conductive fashion to the at least one return opening (56), comprising a first check valve (58) in the injector return line (57), wherein the first check valve (58) is connected so as to permit a flow direction of the fuel in the injector return line (57) away from the at least one injector (44), wherein a second check valve (59) is installed in the injector return line (57) and the second check valve (59) is installed hydraulically in parallel with the first check valve (58) and the second check valve (59) is connected so as to permit a flow direction of the fuel in the injector return line (57) toward the at least one injector (44), in order to make it possible for pressure fluctuations downstream of the first check valve (58) as viewed in the flow direction of the fuel to be utilized to increase the pressure in the injector return line (57) upstream of the first check valve (58) as viewed in the flow direction of the fuel.

IPC 8 full level
F02M 55/00 (2006.01); **F02M 37/00** (2006.01); **F02M 55/02** (2006.01); **F02M 55/04** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01); **F02M 69/54** (2006.01)

CPC (source: EP)
F02M 55/002 (2013.01); **F02M 55/025** (2013.01); **F02M 55/04** (2013.01); **F02M 63/005** (2013.01); **F02M 63/0235** (2013.01); **F02M 69/54** (2013.01); **F02M 37/0029** (2013.01); **F02M 37/0052** (2013.01); **F02M 2200/315** (2013.01)

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)
DE 102012224004 A1 20140626; CN 104870801 A 20150826; CN 104870801 B 20171212; EP 2935857 A1 20151028; EP 2935857 B1 20160907; WO 2014095271 A1 20140626

DOCDB simple family (application)
DE 102012224004 A 20121220; CN 201380065742 A 20131126; EP 13795775 A 20131126; EP 2013074777 W 20131126