

Title (en)

SEQUENCE VALVE IN A FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES

Title (de)

ZUSCHALTVENTIL IN EINEM KRAFTSTOFFEINSPRITZSYSTEM FÜR BRENNKRAFTMASCHINEN

Title (fr)

SOUPAPE SUPPLEMENTAIRE D'UN SYSTEME D'INJECTION DU CARBURANT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1073840 B1 20020612 (DE)

Application

EP 98966770 A 19981210

Priority

- DE 9803628 W 19981210
- DE 19818385 A 19980424

Abstract (en)

[origin: DE19818385A1] The system includes low and high pressure pumps. The connecting valve (16) connected at the input side boring (49) to the compression side of the low pressure pump, and at the output side boring (47) to the camshaft cavity of the high pressure pump and also to the induction side of the low pressure pump. A spring-loaded valve piston (34) under the first pressure surge opens a connection between the low pressure pump and the camshaft cavity, and under the higher second pressure surge, opens one between the compression side and induction side of the low pressure pump.

IPC 1-7

F02M 63/00; **F02M 63/02**; **F02M 37/00**

IPC 8 full level

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CPC (source: EP US)

F02M 63/0001 (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **Y10T 137/791** (2015.04 - EP US); **Y10T 137/7927** (2015.04 - EP US)

Cited by

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DE 19818385 A1 19991028; DE 59804470 D1 20020718; EP 1073840 A1 20010207; EP 1073840 B1 20020612; JP 2002513115 A 20020508; JP 4280419 B2 20090617; US 6422212 B1 20020723; WO 9956016 A1 19991104

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