

Title (en)

Variable displacement high pressure fuel pump

Title (de)

Kraftstoffhochdruckpumpe mit veränderlicher Fördermenge

Title (fr)

Pompe de combustible haute pression à débit variable

Publication

EP 1201913 A3 20040102 (DE)

Application

EP 01123835 A 20011005

Priority

DE 10052629 A 20001024

Abstract (en)

[origin: EP1201913A2] The high pressure fuel pump, for an internal combustion motor, gives a variable fuel volume feed. It has a separate suction valve (18) between the low pressure line (15) and the feed zone (14). The control on the volume of fuel fed to the motor is set by opening the volume control valve (19) during the feed stroke of the piston (10) while the cams (13) on the camshaft (12) are in the second angular setting.

IPC 1-7

F02M 45/06; **F02M 59/36**; **F02M 59/10**

IPC 8 full level

F02M 59/46 (2006.01); **F02M 59/10** (2006.01); **F02M 59/36** (2006.01); **F02M 63/02** (2006.01); **F04B 49/24** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 59/102 (2013.01 - EP US); **F02M 59/366** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F04B 49/243** (2013.01 - EP US); **F02M 2200/315** (2013.01 - EP US); **F04B 2205/09** (2013.01 - EP US)

Citation (search report)

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- [Y] US 5115783 A 19920526 - NAKAMURA HISASHI [JP], et al
- [Y] DE 4223728 A1 19940120 - DAIMLER BENZ AG [DE]

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EP1361360A1; US5754363A; US7444989B2; WO2008066635A1

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DOCDB simple family (publication)

EP 1201913 A2 20020502; **EP 1201913 A3 20040102**; **EP 1201913 B1 20060419**; DE 10052629 A1 20020508; DE 50109544 D1 20060524; JP 2002138923 A 20020517; US 2002053338 A1 20020509; US 6655362 B2 20031202

DOCDB simple family (application)

EP 01123835 A 20011005; DE 10052629 A 20001024; DE 50109544 T 20011005; JP 2001326770 A 20011024; US 98350001 A 20011024