

Title (en)

PUMP SYSTEM FOR SUPPLYING FUEL AT HIGH PRESSURE

Title (de)

PUMPENANORDNUNG ZUR KRAFTSTOFFHOCHDRUCKVERSORGUNG

Title (fr)

SYSTEME DE POMPES POUR ALIMENTATION EN CARBURANT SOUS HAUTE PRESSION

Publication

EP 1049868 A1 20001108 (DE)

Application

EP 99906058 A 19990118

Priority

- DE 9900088 W 19990118
- DE 19802476 A 19980123

Abstract (en)

[origin: DE19802476A1] The pump fitting has a casing (2) including several pump elements in which fuel is subjected to high pressure and taken to a common rail high pressure connection boring (8). The system includes several high pressure channels (6, 7) connected to the pump elements and lying in a different plane to the high pressure connection boring at which they meet. At least one channel may pass tangentially through the boring to the outside.

IPC 1-7

F02M 59/08; **F02M 63/02**

IPC 8 full level

F02M 59/44 (2006.01); **F02M 59/06** (2006.01); **F02M 59/08** (2006.01); **F02M 63/02** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP US)

F02M 59/06 (2013.01 - EP US); **F02M 59/08** (2013.01 - EP US); **F02M 63/0225** (2013.01 - EP US); **F04B 53/16** (2013.01 - EP US)

Citation (search report)

See references of WO 9937910A1

Cited by

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Designated contracting state (EPC)

DE FR GB IT

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DE 19802476 A1 19990729; DE 59901391 D1 20020613; EP 1049868 A1 20001108; EP 1049868 B1 20020508; JP 2002501144 A 20020115; JP 4372999 B2 20091125; US 6588405 B1 20030708; WO 9937910 A1 19990729

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DE 19802476 A 19980123; DE 59901391 T 19990118; DE 9900088 W 19990118; EP 99906058 A 19990118; JP 2000528792 A 19990118; US 60091700 A 20000926