

Title (en)

Motor vehicle fuel pump of peripheral type

Title (de)

Seitenkanalbrennstoffpumpe für Kraftfahrzeug

Title (fr)

Pompe à carburant du type à écoulement latéral pour véhicule

Publication

EP 0735271 A3 19981104 (EN)

Application

EP 96200851 A 19960328

Priority

- IT MI950652 A 19950331
- IT MI960032 A 19960111

Abstract (en)

[origin: EP0735271A2] A peripheral pump (10, 110) for feeding fuel to a motor vehicle internal combustion engine, comprising a hollow body provided with a fuel intake duct (17, 117) and a fuel delivery duct (18, 118) and within which there is arranged a rotor (13, 113) provided with blading and being of disc form, the pump body consisting of two parts (11, 12, 111, 112) coupled together and comprising, in their opposing inner surfaces, channel recesses (14, 15, 114, 115) of compound spiral form respectively facing at least two pluralities of pocket cavities provided in each of the two faces of the rotor to receive the fuel, said two faces being connected together by at least one passage (26, 126) provided within the rotor, said two pluralities of pocket cavities defining at least two stages of the pump (10, 110), which are connected together by an intermediate portion (14c, 15c, 114c, 115c) of said channel recesses (14, 15, 114, 115) of compound spiral form. <IMAGE>

IPC 1-7

F04D 5/00; **F04D 29/18**; **F02M 37/04**

IPC 8 full level

F02M 37/04 (2006.01); **F04D 5/00** (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP)

F02M 37/048 (2013.01); **F04D 5/005** (2013.01); **F04D 29/188** (2013.01)

Citation (search report)

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- [Y] WO 9200449 A1 19920109 - BOSCH GMBH ROBERT [DE]
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- [A] EP 0170175 A2 19860205 - SCHWEINFURTER FRIEDRICH
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