

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 A2 19961002 (EN)

Application
EP 96200851 A 19960328

Priority
• IT MI950652 A 19950331
• IT MI960032 A 19960111

Abstract (en)
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>

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Cited by
FR2768193A1; FR2768192A1; DE102004052439A1; FR2768191A1; DE19826902A1; DE19826902C2; EP1295038A4; DE102006003272B4; US7658180B2; US7632060B2; WO9913226A1; WO9947814A1; WO2014039121A1; US9086071B2; US9127685B2; US9334873B2; JP2002332981A

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