

Title (en)

Fuel conduits in the cylinder block of an internal combustion engine and method for constructing same

Title (de)

Kraftstoffführung im Zylindergehäuse einer Brennkraftmaschine und Verfahren zur Herstellung dieser Kraftstoffführung

Title (fr)

Conduits de combustible dans un bloc-moteur d'un moteur à combustion interne et méthode de façonnage

Publication

EP 0637687 B1 19970108 (DE)

Application

EP 94110165 A 19940630

Priority

DE 4326162 A 19930804

Abstract (en)

[origin: US5411001A] In a fuel line arrangement in the cylinder housing of an internal combustion engine with cylinders arranged in line and upstanding mounting structures with support bores for the reception of plug-in fuel injection pumps formed on the sides of the cylinders a fuel return passage extends through the cylinder housing so as to intersect all the fuel pump support bores, a fuel supply passage extends through the cylinder housing parallel to the fuel return passage and oblique passages extend between the fuel supply passages and the respective fuel pump support bores for supplying fuel to the plug-in pumps within the fuel pump support bores, the oblique passages being arranged such that their outward extensions are within the confines of the fuel pump support bore top opening to facilitate drilling of the oblique bores.

IPC 1-7

F02M 55/00; **F02M 39/00**

IPC 8 full level

F02B 75/22 (2006.01); **F02M 55/00** (2006.01); **F02B 3/06** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP US)

F02B 75/22 (2013.01 - EP US); **F02M 55/00** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **F02B 2075/1832** (2013.01 - EP US); **F02F 2200/06** (2013.01 - EP US); **Y10T 29/49231** (2015.01 - EP US)

Cited by

WO9848165A1; DE19716513A1; DE19716513C2; US6237569B1

Designated contracting state (EPC)

FR GB IT SE

DOCDB simple family (publication)

DE 4326162 C1 19940728; EP 0637687 A1 19950208; EP 0637687 B1 19970108; US 5411001 A 19950502

DOCDB simple family (application)

DE 4326162 A 19930804; EP 94110165 A 19940630; US 28550294 A 19940803