

Title (en)

Fuel dispersion skirt, for injector of an injected engine

Title (de)

Brennstoffdispersionblende, für Einspritzdüse einer Einspritzbrennkraftmaschine

Title (fr)

Jupe de dispersion de carburant, pour injecteur d'un moteur à injection

Publication

EP 0715069 A1 19960605 (FR)

Application

EP 95402704 A 19951130

Priority

FR 9414456 A 19941201

Abstract (en)

The injector for delivering fuel to two air inlet ducts (2,3) separated by a partition, is situated between the two ducts and has a skirt (12) which is tubular in shape and located inside the partition. The injector (11) is set at the upper end of the skirt, the lower part of which forms two fuel passages (19) which are in communication with one another inside the skirt and emerge into the two ducts through outlets. In the outlet zone the skirt wall is progressively chamfered towards its free edges (17) and has concave recesses, while the upper end of the skirt is shaped to form a seat (14) for the injector. The skirt is made in one piece with the inlet ducts, with the fuel passages and outlets (20) formed round parallel axes.

Abstract (fr)

La jupe (12) tubulaire dans la cloison entre les conduits d'air (2, 3) supporte l'injecteur (11) et forme deux passages de carburant (19) débouchant dans les conduits (2, 3), entre deux parois latérales opposées (15) amincies chacune en biseau (16) vers l'aval à bord libre (17) en lame mince et avec une échancrure à concavité tournée vers l'aval, une zone (23) de la face interne de chaque paroi latérale (15), en amont du biseau (16) étant de préférence percutee par au moins un jet de carburant issu de l'injecteur (11). Application aux moteurs à injection à deux soupapes d'admission par cylindre. <IMAGE>

IPC 1-7

F02M 35/10; **F02M 69/04**

IPC 8 full level

F02M 35/104 (2006.01); **F02M 69/04** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP US)

F02M 35/10216 (2013.01 - EP US); **F02M 35/108** (2013.01 - EP US); **F02M 35/1085** (2013.01 - EP US); **F02M 69/044** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/10327** (2013.01 - EP US); **F02M 35/10347** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Citation (applicant)

EP 0544978 A1 19930609 - TOYOTA MOTOR CO LTD [JP]

Citation (search report)

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US9617950B2; WO2013087128A1; EP2604843A1; US2014305408A1; RU2619667C2

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