

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 B1 19980624 (FR)

Application

EP 95402704 A 19951130

Priority

FR 9414456 A 19941201

Abstract (en)

[origin: EP0715069A1] 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.

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)

Cited by

US9617950B2; WO2013087128A1; EP2604843A1; US2014305408A1; RU2619667C2

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0715069 A1 19960605; **EP 0715069 B1 19980624**; DE 69503109 D1 19980730; DE 69503109 T2 19990121; ES 2117844 T3 19980816; FR 2727722 A1 19960607; FR 2727722 B1 19970214; US 5575263 A 19961119

DOCDB simple family (application)

EP 95402704 A 19951130; DE 69503109 T 19951130; ES 95402704 T 19951130; FR 9414456 A 19941201; US 56305295 A 19951127