

Title (en)
INJECTION VALVE.

Title (de)
EINSPRITZVENTIL.

Title (fr)
SOUPAPE D'INJECTION.

Publication
EP 0367777 A1 19900516 (DE)

Application
EP 88905670 A 19880630

Priority
DE 8709111 U 19870701

Abstract (en)
[origin: WO8900244A1] The purpose of the invention is to design an injection valve so that the quantity of fuel injected evaporates completely and as quickly as possible. The nozzle orifice (53) is accordingly located at the end of a cylindrical line (52) and is formed by a central orifice (530) and peripheral orifices (530) grouped around the former. This results, upon injection, in a fuel jet with a multifaceted and consequently very large surface, which promotes evaporation of the injected fuel.

Abstract (fr)
L'objet de l'invention est d'obtenir une soupape d'injection qui permette à la quantité de carburant injecté de se volatiliser aussi rapidement et complètement que possible. A cet effet, l'ouverture (53) de l'injecteur se situe à l'extrémité d'un conduit cylindrique (52) et est formée d'un orifice central (530) entouré d'orifices périphériques regroupés (531). On obtient ainsi lors de l'injection un jet de carburant finement réparti et ayant donc une grande surface, ce qui facilite la volatilisation du carburant injecté.

IPC 1-7
F02M 51/08; F02M 61/18

IPC 8 full level
F02M 51/06 (2006.01); **F02M 51/08** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)
F02M 51/0667 (2013.01 - EP US); **F02M 51/08** (2019.01 - EP US); **F02M 61/1806** (2013.01 - EP US); **F02M 61/1853** (2013.01 - EP US)

Citation (search report)
See references of WO 8900244A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 8709111 U1 19870917; DE 3861795 D1 19910328; EP 0367777 A1 19900516; EP 0367777 B1 19910220; US 4986478 A 19910122;
WO 8900244 A1 19890112

DOCDB simple family (application)
DE 8709111 U 19870701; DE 3861795 T 19880630; DE 8800396 W 19880630; EP 88905670 A 19880630; US 46625590 A 19900301