

Title (en)
ELECTROMAGNETICALLY ACTUATED FUEL INJECTION VALVE

Publication
EP 0223018 B1 19890412 (DE)

Application
EP 86113334 A 19860927

Priority
DE 3539056 A 19851104

Abstract (en)
[origin: US4753393A] In an electromagnetically actuatable fuel-injection valve for injection systems for internal-combustion engines, the valve includes a valve housing, an ejection opening, a magnet winding, a closure element which is connected to an armature associated with the magnet winding, and a pin which is located in the ejection opening and has a conical region, the conical region being within or at a plane formed by the outer edge of the ejection opening. In this way, the formation of drops at the edge of the ejection opening is prevented so that a fine atomization is obtained.

IPC 1-7
F02M 51/06; **F02M 61/18**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)
F02M 51/0678 (2013.01 - EP US); **F02M 61/06** (2013.01 - EP US); **F02M 61/162** (2013.01 - EP US); **F02M 61/18** (2013.01 - EP US); **F02M 61/188** (2013.01 - EP US); **Y10S 239/90** (2013.01 - EP US)

Cited by
US5836521A; WO9705378A1

Designated contracting state (EPC)
AT DE FR GB SE

DOCDB simple family (publication)
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EP 86113334 A 19860927; AT 86113334 T 19860927; BR 8605410 A 19861103; DE 3539056 A 19851104; DE 3662804 T 19860927; JP 26087286 A 19861104; US 92397286 A 19861028