

Title (en)

Deposit reduction fuel injection valve

Title (de)

Brennstoffeinspritzventil mit Niederschlagreduzierung

Title (fr)

Injecteur de combustible avec réduction des dépôts

Publication

**EP 0828075 A1 19980311 (EN)**

Application

**EP 97115623 A 19970909**

Priority

JP 26256396 A 19960910

Abstract (en)

A deposit reduction fuel injection valve (1) including a nozzle hole (3), formed on a tip portion (8) of a nozzle body so as to face a combustion chamber (2) of an internal combustion engine, for injecting directly fuel in said combustion chamber, and a temperature adjusting system (60) for adjusting a temperature of said tip portion of said nozzle body having said nozzle hole so as to maintain the temperature equal to or lower than a 90%-distillation temperature of fuel. <IMAGE>

IPC 1-7

**F02M 61/14**

IPC 8 full level

**F02M 53/04** (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

**F02M 53/04** (2013.01); **F02M 61/14** (2013.01); **F02B 3/06** (2013.01); **F02D 2200/0606** (2013.01)

Citation (applicant)

- JP S62103456 A 19870513 - AISAN IND
- JP S63151970 A 19880624 - CANON KK
- JP H085336 Y2 19960214
- JP S6365823 B2 19881216
- JP S591103 B2 19840110

Citation (search report)

- [A] US 2777431 A 19570115 - SIEGFRIED MEURER
- [A] GB 719952 A 19541208 - SAURER AG ADOLPH
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DE10354465B4; EP1455083A3; DE102006013880A1; FR3101920A1; EP1553287A1; EP1081374A3; US7261089B2; US7331535B2; US7744014B2; WO2005050004A1; WO2017089229A1; WO2017102245A1; WO2017102216A1; WO2021074053A1

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