

Title (en)
FUEL DELIVERY SYSTEM

Title (de)
KRAFTSTOFFFÖRDESYSTEM

Title (fr)
SYSTEME D'INJECTION DE CARBURANT

Publication
EP 1392964 A4 20060301 (EN)

Application
EP 02708030 A 20020328

Priority

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- US 30660601 P 20010719

Abstract (en)
[origin: WO02097259A1] A fuel delivery system is disclosed which includes an injector (40) having an end region (43). The end region (43) is provided from heat conducting material such as metal so that the end region can be heated by exhaust gas to heat the temperature of fuel in the injector end region so that the increase in temperature and pressure within the end region causes the fuel to flash into a vapour state immediately the fuel is ejected from the injector. The exhaust gas is supplied by an exhaust gas supply line (70, 402) and can be returned by an exhaust return line (405).

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Citation (search report)

- [X] US 3980056 A 19760914 - KRAUS WERNER
- [X] US 5178331 A 19930112 - SCHUERZ WILLIBALD [AU]
- [X] US 4361126 A 19821130 - KNAPP HEINRICH, et al
- [X] US 5351668 A 19941004 - GATELLIER BERTRAND [FR]
- See references of WO 02097259A1

Designated contracting state (EPC)
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