

Title (en)

FLUID COOLED INJECTOR AND EXHAUST AFTERTREATMENT SYSTEM, VEHICLE, AND METHOD USING A FLUID COOLED INJECTOR

Title (de)

FLÜSSIGKEITSGEKÜHLTER INJEKTOR UND ABGASNACHBEHANDLUNGSSYSTEM, FAHRZEUG UND VERFAHREN UNTER VERWENDUNG EINES FLÜSSIGKEITSGEKÜHLTEN INJEKTORS

Title (fr)

INJECTEUR REFROIDI PAR FLUIDE ET SYSTÈME DE TRAITEMENT POSTCOMBUSTION DES GAZ ÉCHAPPEMENT, VÉHICULE, ET PROCÉDÉ D'UTILISATION D'UN INJECTEUR REFROIDI PAR FLUIDE

Publication

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Application

**EP 11863108 A 20110916**

Priority

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Abstract (en)

[origin: WO2012138373A1] A fluid cooled injector includes an injector body comprising an injector tip and a cooling channel, the injector tip comprising an injector orifice, and a heat conducting shield, the heat conducting shield comprising a heat conducting shield orifice arranged coaxially with the injector orifice, the heat conducting shield being in direct contact with at least one of the injector body and the injector tip. An exhaust aftertreatment system and a vehicle including such an injector, and a method involving the use of such an injector, are also disclosed.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XYI] WO 2008110407 A1 20080918 - BOSCH GMBH ROBERT [DE], et al
- [XAI] WO 9941492 A2 19990819 - SIEMENS AG [DE], et al
- [XI] EP 1662108 A1 20060531 - EBERSPAECHER J GMBH & CO [DE]
- [YA] DE 102008055190 A1 20090730 - DENSO CORP [JP]
- [A] WO 2011012359 A1 20110203 - BOSCH GMBH ROBERT [DE], et al
- [Y] JP H09112392 A 19970428 - DENSO CORP
- See references of WO 2012138373A1

Designated contracting state (EPC)

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**US 2011051895 W 20110916**; BR 112013025571 A 20110916; CN 201180069954 A 20110916; EP 11863108 A 20110916; JP 2014503644 A 20110916; RU 2013148822 A 20110916; US 201114003805 A 20110916