

Title (en)
Fuel injection arrangement

Title (de)
Vorrichtung zur Kraftstoffeinspritzung

Title (fr)
Système d'injection de carburant

Publication
EP 1391653 A3 20050504 (EN)

Application
EP 03254684 A 20030726

Priority
GB 0219461 A 20020821

Abstract (en)
[origin: EP1391653A2] A prefilmer (26) for a fuel injection arrangement (10) comprising a body (50) having a fluid flow surface (80, 81, 82, 83) and a downstream edge (44), the prefilmer (26) arranged so that when working in operative association with the fuel injection arrangement (10) fuel flows over the surface (80, 81, 82, 83), by means of a passing airflow, to the downstream edge (44), from where the fuel is shed, characterised in that the prefilmer (26) further comprises a fluid flow mixing means (34) to, in use, enhance the mixing of fuel and air. <IMAGE>

IPC 1-7
F23D 11/10; **F23R 3/30**

IPC 8 full level
F23D 11/10 (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP US)
F23D 11/107 (2013.01 - EP US); **F23D 11/38** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US); **F23D 2900/11101** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

- [XY] EP 0575254 A1 19931222 - TOTAL RAFFINAGE DISTRIBUTION [FR]
- [Y] WO 9906767 A1 19990211 - SIEMENS AG [DE], et al
- [A] WO 9963276 A1 19991209 - SIEMENS AG [DE], et al
- [Y] US 5487274 A 19960130 - GULATI ANIL [US], et al
- [A] US 2001025491 A1 20011004 - LENZ MANFRED [DE], et al
- [A] US 3974646 A 19760817 - MARKOWSKI STANLEY J, et al
- [A] WO 9963268 A1 19991209 - SIEMENS AG [DE], et al
- [A] US 5676538 A 19971014 - LOVETT JEFFERY ALLAN [US]
- [DA] US 6272840 B1 20010814 - CROCKER DAVID S [US], et al
- [A] US 5513982 A 19960507 - ALTHAUS ROLF [CH], et al
- [E] EP 1391652 A2 20040225 - ROLLS ROYCE PLC [GB]

Cited by
EP3118519A1; FR3029271A1; CN109312925A; CN102901099A; EP3531021A1; EP2549183A1; EP2629011A1; EP2505808A3; EP1801504A3; EP3447387A1; US2013032639A1; EP2554909A3; EP3667169A1; US11506386B2; US10883718B2; US10502425B2; US11280493B2; US11156360B2; US11286884B2; WO2017218217A1; WO2017187104A1; US8959922B2; US9285122B2; US10935245B2; US11073114B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1391653 A2 20040225; **EP 1391653 A3 20050504**; GB 0219461 D0 20020925; US 2005097889 A1 20050512

DOCDB simple family (application)
EP 03254684 A 20030726; GB 0219461 A 20020821; US 62979503 A 20030730