

Title (en)

NEEDLE COATING FOR FUEL INJECTOR

Title (de)

NADELBESCHICHTUNG FÜR KRAFTSTOFFINJEKTOR

Title (fr)

REVÊTEMENT D'AIGUILLE D'INJECTEUR DE CARBURANT

Publication

EP 3612728 A1 20200226 (EN)

Application

EP 18717356 A 20180411

Priority

- GB 201706145 A 20170418
- EP 2018059341 W 20180411

Abstract (en)

[origin: GB2561574A] A needle valve member 12 of a fuel injector 10 coated in a first zone 44 with an electrically isolating wear resistant material and, remaining electrically conductive in a distinct second zone 42. The invention provides for a durable electric switch for use with a close loop injector control strategy.

IPC 8 full level

F02M 61/18 (2006.01); **F02M 57/00** (2006.01)

CPC (source: EP GB US)

F02D 41/14 (2013.01 - EP); **F02D 41/1496** (2013.01 - EP); **F02D 41/30** (2013.01 - EP); **F02M 51/06** (2013.01 - GB); **F02M 57/005** (2013.01 - EP);
F02M 61/166 (2013.01 - GB); **F02M 61/18** (2013.01 - EP US); **F02D 2200/063** (2013.01 - EP); **F02M 21/0248** (2013.01 - GB);
F02M 2200/02 (2013.01 - EP); **F02M 2200/245** (2013.01 - EP); **F02M 2200/9038** (2013.01 - EP)

Citation (search report)

See references of WO 2018192828A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

GB 201706145 D0 20170531; GB 2561574 A 20181024; GB 2561574 B 20200923; CN 110719996 A 20200121; EP 3612728 A1 20200226;
WO 2018192828 A1 20181025

DOCDB simple family (application)

GB 201706145 A 20170418; CN 201880025321 A 20180411; EP 18717356 A 20180411; EP 2018059341 W 20180411