Title (en)
Fuel injector

Title (de)
Kraftstoffinjektor

Title (fr)
Injecteur de carburant

Publication
EP 2639442 A1 20130918 (EN)

Application
EP 13460013 A 20130308

Priority
PL 39846812 A 20120315

Abstract (en)
A fuel injector, with a body (1), closing element in the shape of a needle (2) and direct fuel delivery passages (3), characterized by the fact that there is an additional element (5) - thin-walled cylinder - situated between the needle and an injector body (1). The needle (2) and additional element (5) have rough, threaded or corrugated surfaces (4). The additional element (5) may also have a form of a spring, spiral or porous structure made of wires or tiny balls. The surface of the non-working part of the needle (2) and the additional element (5) are covered with a catalytic material.

IPC 8 full level
F02M 27/02 (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 27/02 (2013.01); **F02M 61/162** (2013.01); **F02M 61/163** (2013.01); **F02M 61/168** (2013.01); F02M 2200/90 (2013.01)

Citation (applicant)
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Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2639442 A1 20130918; PL 220085 B1 20150831; PL 398468 A1 20130916

DOCDB simple family (application)
EP 13460013 A 20130308; PL 39846812 A 20120315