

Title (en)

INJECTOR HAVING AN IMPROVED MAGNETIC ACTUATOR

Title (de)

INJEKTOR MIT VERBESSERTEM MAGNETAKTOR

Title (fr)

INJECTEUR PRÉSENTANT UN ACTIONNEUR MAGNÉTIQUE PERFECTIONNÉ

Publication

EP 3455487 B1 20201028 (DE)

Application

EP 17713297 A 20170324

Priority

- DE 102016208288 A 20160513
- EP 2017057073 W 20170324

Abstract (en)

[origin: WO2017194242A1] The invention relates to an injector for injecting a fluid, in particular a fuel, comprising a magnetic actuator (2) for actuating a closing element (14) that opens and closes a through-hole; the magnetic actuator (2) includes an armature (21) that is connected to the closing element (14), an internal pole (22) and an outer magnetic circuit component which is a magnetic sleeve (23) that is rolled from a strip material.

IPC 8 full level

F02M 61/16 (2006.01); **F02M 51/06** (2006.01)

CPC (source: EP KR US)

B05B 1/3053 (2013.01 - US); **F02M 51/061** (2013.01 - EP KR US); **F02M 61/168** (2013.01 - EP KR US); **F02M 2200/8084** (2013.01 - US)

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

DOCDB simple family (publication)

WO 2017194242 A1 20171116; CN 109154270 A 20190104; CN 109154270 B 20210810; DE 102016208288 A1 20171116; EP 3455487 A1 20190320; EP 3455487 B1 20201028; JP 2019515188 A 20190606; KR 20190008215 A 20190123; US 11339756 B2 20220524; US 2021215126 A1 20210715

DOCDB simple family (application)

EP 2017057073 W 20170324; CN 201780029275 A 20170324; DE 102016208288 A 20160513; EP 17713297 A 20170324; JP 2018559726 A 20170324; KR 20187032550 A 20170324; US 201716093234 A 20170324