

Title (en)

METHOD FOR CONTROLLING AN ELECTROMAGNETICALLY CONTROLLABLE INLET VALVE

Title (de)

VERFAHREN ZUR ANSTEUERUNG EINES ELEKTROMAGNETISCH ANSTEUERBAREN EINLASSVENTILS

Title (fr)

PROCÉDÉ DE COMMANDE D'UNE SOUPAPE D'ADMISSION À COMMANDE ÉLECTRO-MAGNÉTIQUE

Publication

**EP 3507474 A1 20190710 (DE)**

Application

**EP 17751365 A 20170804**

Priority

- DE 102016216343 A 20160830
- EP 2017069854 W 20170804

Abstract (en)

[origin: WO2018041534A1] The invention relates to a method for controlling an electromagnetically controllable inlet valve that is integrated into a high-pressure fuel pump, in which a magnetic coil is energized as a function of the piston stroke of a pump piston of the high-pressure fuel pump for the purpose of closing the inlet valve. According to the invention, a power loss is realized via the energization of the magnetic coil, which is used to heat the fuel. The invention further relates to a computer program for implementing said method.

IPC 8 full level

**F02D 41/06** (2006.01); **F02D 41/20** (2006.01); **F02D 41/38** (2006.01); **F02M 59/36** (2006.01)

CPC (source: EP)

**F02D 41/064** (2013.01); **F02D 41/20** (2013.01); **F02D 41/3854** (2013.01); **F02D 2041/2003** (2013.01); **F02D 2041/2044** (2013.01); **F02D 2041/2065** (2013.01); **F02D 2200/0606** (2013.01)

Citation (search report)

See references of WO 2018041534A1

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)

**DE 102016216343 A1 20180301**; EP 3507474 A1 20190710; EP 3507474 B1 20220727; WO 2018041534 A1 20180308

DOCDB simple family (application)

**DE 102016216343 A 20160830**; EP 17751365 A 20170804; EP 2017069854 W 20170804