

Title (en)

A FUEL VALVE FOR LARGE TURBOCHARGED TWO STROKE DIESEL ENGINES

Title (de)

EINSPRITZDÜSE FÜR ZWEITAKT-DIESELMOTOREN MIT GROSSEM HUBRAUM UND TURBOAUFLADUNG

Title (fr)

SOUPAPE À CARBURANT POUR MOTEURS DIESEL DE TURBOCOMPRESSEUR À DEUX TEMPS

Publication

EP 3406891 B1 20211103 (EN)

Application

EP 18168976 A 20120625

Priority

- DK PA201100479 A 20110627
- EP 12173343 A 20120625

Abstract (en)

[origin: EP2541037A2] A fuel valve (1) for injecting fuel into the combustion chamber of a large turbocharged two stroke diesel engine, with a resiliently biased and axially movable valve needle (20) cooperating with a valve seat (22), a plurality of nozzle holes (35) distributed axially and radially over the nozzle (30), an electronically controlled valve connected to a closing chamber in for urging the valve spindle (20) to its seat (22) for alternatively connecting the closing chamber to a tank port (18) or to a fuel inlet port (16).

IPC 8 full level

F02M 47/02 (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR)

F02M 47/025 (2013.01 - EP KR); **F02M 47/027** (2013.01 - EP KR); **F02M 63/0029** (2013.01 - EP KR); **F02M 63/0036** (2013.01 - EP KR); **F02M 63/0047** (2013.01 - EP KR)

Citation (examination)

EP 1382837 A2 20040121 - CATERPILLAR INC [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2541037 A2 20130102; **EP 2541037 A3 20130731**; **EP 2541037 B1 20180425**; CN 102852686 A 20130102; CN 102852686 B 20151216; DK 177456 B1 20130617; DK 201100479 A 20121228; EP 3406891 A1 20181128; EP 3406891 B1 20211103; JP 2013011274 A 20130117; JP 5526194 B2 20140618; KR 101407811 B1 20140617; KR 20130001685 A 20130104; PL 2541037 T3 20180731; PL 3406891 T3 20220221

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