

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 2541037 B1 20180425 (EN)

Application

EP 12173343 A 20120625

Priority

DK PA201100479 A 20110627

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]

Cited by

EP3002444A1; US10450992B2; US9909546B2; KR20190054922A; JP2019090407A

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

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DOCDB simple family (application)

EP 12173343 A 20120625; CN 10210218518 A 20120627; DK PA201100479 A 20110627; EP 18168976 A 20120625; JP 2012135438 A 20120615; KR 20120067306 A 20120622; PL 12173343 T 20120625; PL 18168976 T 20120625