

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

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DOCDB simple family (publication)

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**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