

Title (en)

Heat engine provided with a fuel injector

Title (de)

Brennkraftmaschine mit einem Kraftstoffeinspritzventil

Title (fr)

Moteur thermique équipé d'un injecteur de combustible

Publication

EP 0836003 B1 20030122 (EN)

Application

EP 97117481 A 19971009

Priority

IT TO960833 A 19961011

Abstract (en)

[origin: EP0836003A1] An injector (9) for a heat engine (1) comprising a spray assembly (10) designed to be installed through a wall (3) of the engine delimiting a combustion chamber and provided with a movable needle (19), and a control assembly (11) provided with a solenoid valve (30) for controlling the needle (19); the control assembly (11) extends in a transverse direction with respect to the spray assembly (10) below a bottom wall (7) of the tappet housing (4) of the engine. <IMAGE>

IPC 1-7

F02M 47/02; **F02M 61/14**

IPC 8 full level

F02M 47/02 (2006.01); **F02M 61/14** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 61/14** (2013.01)

Citation (examination)

GB 2289313 A 19951115 - CATERPILLAR INC [US]

Cited by

EP3061940A1; US10161371B2; EP0922852A2; US10066590B2

Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

EP 0836003 A1 19980415; **EP 0836003 B1 20030122**; DE 69718591 D1 20030227; DE 69718591 T2 20031120; ES 2188843 T3 20030701; IT 1288748 B1 19980924; IT TO960833 A0 19961011; IT TO960833 A1 19980411

DOCDB simple family (application)

EP 97117481 A 19971009; DE 69718591 T 19971009; ES 97117481 T 19971009; IT TO960833 A 19961011