

Title (en)

Starting device for internal combustion engines

Title (de)

Startvorrichtung für Brennkraftmaschinen

Title (fr)

Dispositif de démarrage pour moteurs à combustion interne

Publication

**EP 1255040 B1 20060208 (FR)**

Application

**EP 02290993 A 20020419**

Priority

FR 0105993 A 20010504

Abstract (en)

[origin: EP1255040A1] The motor vehicle internal combustion engine start up fuel feed (1) has a pressurized fuel feed (3) with a fuel accumulator (2) and an injector (5). The feed has an energy storage sprung piston (4) in the fuel accumulator. The piston spring is pretensioned by the stored fuel pressure. Upon starting, the spring is released to cause a larger increase in fuel feed pressure.

IPC 8 full level

**F02M 63/02** (2006.01); **F02D 41/06** (2006.01); **F02D 41/38** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP)

**F02D 41/065** (2013.01); **F02D 41/3809** (2013.01); **F02M 55/025** (2013.01); **F02M 63/0225** (2013.01)

Citation (examination)

- JP H10274130 A 19981013 - ZEXEL CORP
- FR 2704600 A1 19941104 - BOSCH GMBH ROBERT [DE]

Cited by

FR2878580A1; EP2677157A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1255040 A1 20021106; EP 1255040 B1 20060208**; AT E317499 T1 20060215; DE 60209097 D1 20060420; DE 60209097 T2 20060928; FR 2824363 A1 20021108; FR 2824363 B1 20040102

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