

Title (en)

FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES

Title (de)

KRAFTSTOFFEINSPRITZPUMPE FÜR BRENNKRAFTMASCHINEN

Title (fr)

POMPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication

EP 0766782 A1 19970409 (DE)

Application

EP 95936428 A 19951110

Priority

- DE 9501554 W 19951110
- DE 4443114 A 19941203

Abstract (en)

[origin: DE4443114A1] A fuel injection pump has both a regulating spring and an adjustable idle speed spring (8) fixed to the housing. The adjustable idle speed spring (8) is adjusted by a coupling arrangement between a minimum idle speed position and a maximum idle speed position depending on the adjustment of an adjusting lever (22).

IPC 1-7

F02D 1/04

IPC 8 full level

F02D 1/02 (2006.01); **F02D 1/04** (2006.01); **F02D 1/00** (2006.01)

CPC (source: EP KR US)

F02D 1/045 (2013.01 - EP US); **F02M 59/00** (2013.01 - KR); **F02D 2001/0025** (2013.01 - EP US); **F02D 2001/0045** (2013.01 - EP US)

Citation (search report)

See references of WO 9618027A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 4443114 A1 19960605; BR 9506711 A 19970909; CN 1073202 C 20011017; CN 1134738 A 19961030; DE 59503713 D1 19981029; EP 0766782 A1 19970409; EP 0766782 B1 19980923; JP H09508953 A 19970909; KR 960706606 A 19961209; US 5722369 A 19980303; WO 9618027 A1 19960613

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DE 4443114 A 19941203; BR 9506711 A 19951110; CN 95190831 A 19951110; DE 59503713 T 19951110; DE 9501554 W 19951110; EP 95936428 A 19951110; JP 51425496 A 19951110; KR 19960703236 A 19960619; US 69320396 A 19960805