

Title (en)
FUEL INJECTION APPARATUS FOR INTERNAL-COMBUSTION ENGINES

Publication
EP 0078983 B1 19850529 (DE)

Application
EP 82109914 A 19821027

Priority
DE 3144361 A 19811107

Abstract (en)
[origin: US4491111A] A fuel injection apparatus for supplying fuel to an internal combustion engine is proposed. The fuel injection apparatus includes a pump work chamber enclosed within a pump housing, which work chamber is defined at one end by an axially displaceable and rotatable pump piston. The pump work chamber can be made to communicate, during the intake stroke of the pump piston, with a fuel inlet conduit via an electromagnetically actuatable metering valve and a check valve. The metering valve and check valve are combined into a common valve housing and are disposed in the immediate vicinity of the pump work chamber.

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F02M 59/36

IPC 8 full level
F02D 41/40 (2006.01); **F02D 1/02** (2006.01); **F02M 41/12** (2006.01); **F02M 59/20** (2006.01); **F02M 59/36** (2006.01)

CPC (source: EP US)
F02M 59/205 (2013.01 - EP US); **F02M 59/366** (2013.01 - EP US); **Y10T 137/88062** (2015.04 - EP US)

Citation (examination)
US 3724436 A 19730403 - NAGATA S, et al

Cited by
EP1273796A3; EP0516196A3; EP0136815A3; FR2574129A1; GB2246175A; GB2246175B; US5343845A; US8932076B2; US8981921B2; WO9118200A1

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