

Title (en)
FUEL INJECTION PUMP

Publication
EP 0055083 A3 19830921 (EN)

Application
EP 81305926 A 19811217

Priority
US 21910980 A 19801222

Abstract (en)
[origin: EP0055083A2] An electromagnetically actuated fuel injection pump has a primary plunger (12) operated by a solenoid (10), and a booster plunger (14) actuated by fuel pressure to supplement the force of the solenoid (10) and thereby permit the use of a smaller solenoid.

IPC 1-7
F02M 51/04

IPC 8 full level
F02M 41/00 (2006.01); **F02M 41/02** (2006.01); **F02M 51/04** (2006.01); **F02M 59/10** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 41/02 (2013.01); **F02M 51/04** (2013.01); **F02M 59/105** (2013.01); **F02M 63/0007** (2013.01)

Citation (search report)

- [A] DE 2356335 A1 19750515 - BACH & CO
- [A] GB 2049031 A 19801217 - LUCAS INDUSTRIES LTD
- [A] FR 2157496 A5 19730601 - CAV LTD
- [A] EP 0003179 A2 19790725 - COMBUSTION RES & TECH [US]
- [A] DE 2809122 A1 19790906 - BOSCH GMBH ROBERT
- [A] DE 2306875 A1 19740815 - BOSCH GMBH ROBERT
- [A] GB 2048371 A 19801210 - LUCAS INDUSTRIES LTD

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0055083 A2 19820630; **EP 0055083 A3 19830921**; CA 1175289 A 19841002; JP H021975 B2 19900116; JP S57110767 A 19820709

DOCDB simple family (application)
EP 81305926 A 19811217; CA 392726 A 19811218; JP 17702381 A 19811104