

Title (en)

Fuel supply assembly for an internal combustion engine

Title (de)

Kraftstoffversorgungsanlage für eine Brennkraftmaschine

Title (fr)

Dispositif d'alimentation en carburant pour un moteur à combustion interne

Publication

EP 1837514 A1 20070926 (EN)

Application

EP 06425195 A 20060323

Priority

EP 06425195 A 20060323

Abstract (en)

A fuel-supply assembly (1) for an internal-combustion engine is provided with: a pumping unit (6), designed to draw the fuel from a tank; a filtering device (7), designed to filter the fuel; a pressure regulator (8); a hydraulic circuit (3), which connects hydraulically together the pumping unit (6), the filtering device (7), and the pressure regulator (8); and a housing body (2), which houses inside it the pumping unit (6), the filtering device (7), the pressure regulator (8), and the hydraulic circuit (3); the pumping unit (6) has a pumping chamber (9) delimited by a flexible membrane (10), an eccentric cam (11), designed to deform cyclically the flexible membrane (10), and an electric motor (12) for driving the eccentric cam (11) in rotation.

IPC 8 full level

F02M 37/04 (2006.01)

CPC (source: EP)

F02M 37/046 (2013.01)

Citation (search report)

- [YA] US 2001018907 A1 20010906 - KONDOU YASUSHI [JP], et al
- [Y] EP 1460260 A2 20040922 - SOFABEX [FR]
- [A] DE 1240701 B 19670518 - GEN MOTORS CORP
- [A] EP 1424491 A1 20040602 - MIKUNI KOGYO KK [JP]
- [A] US 5649514 A 19970722 - OKADA KINGO [JP], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

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