

Title (en)
FUEL INJECTION DEVICE FOR A TWO-STROKE ENGINE

Publication
EP 0133178 A3 19860702 (FR)

Application
EP 84870104 A 19840716

Priority
• BE 211260 A 19830728
• BE 213014 A 19840528

Abstract (en)
[origin: US4627390A] A pump body which comprises three chambers, a first chamber communicating with the outer atmosphere and the air intake or the exhaust pipe, a second chamber communicating with the precompression casing of the engine, said second chamber being separated from the first chamber by a movable partition integral with a support held by a spring with a piston resting on the support and sliding axially in a channel when the movable partition displaces the support, and a third chamber having an opening communicating with the fuel intake line and an opening connected by a tube to a fuel injector opening into the drive cylinder in a substantially radial direction so as to spray the fuel over the flushing or sweeping currents. The third chamber is located at the end of said channel so that when the movable partition displaces the support one end of the piston is moved, so as to vary the pressure prevailing in the third chamber in order to take in a quantity of fuel when the movable partition compresses the spring and force a quantity of fuel toward the injector when the spring is released.

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IPC 8 full level
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CPC (source: EP US)
F02M 37/12 (2013.01 - EP US); **F02M 59/107** (2013.01 - EP US); **F02M 69/10** (2013.01 - EP US); **F02B 2075/025** (2013.01 - EP US)

Citation (search report)
• FR 2155511 A5 19730518 - YAMAHA MOTOR CO LTD
• GB 2010385 A 19790627 - RICHARDSON P
• BE 792343 A 19730330 - ANTOINE HUBERT J F
• US 2952252 A 19600913 - GEATTY CHARLES F
• FR 2149826 A5 19730330 - DRESSER INVESTMENTS
• GB 627611 A 19490811 - SOLEX

Cited by
US5197418A; FR2691205A1; DE3913586A1; FR2693766A1; US5197417A; FR2619418A1; WO9805860A1

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