

Title (en)

TWO-STROKE ENGINE COMPRISING AN ENHANCED INJECTION DEVICE AND ASSOCIATED INJECTION METHOD

Title (de)

ZWEITAKTMOTOR MIT VERBESSERTER EINSPRITZANORDNUNG UND VERFAHREN ZU DEREN EINSPRITZUNG

Title (fr)

MOTEUR DEUX TEMPS A DISPOSITIF D'INJECTION AMELIORE ET PROCEDE D'INJECTION ASSOCIE

Publication

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Application

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Abstract (en)

[origin: US5809949A] PCT No. PCT/FR95/00866 Sec. 371 Date Mar. 10, 1997 Sec. 102(e) Date Mar. 10, 1997 PCT Filed Jun. 28, 1995 PCT Pub. No. WO96/07817 PCT Pub. Date Mar. 14, 1996The present invention relates to a two-stroke engine comprising at least: a cylinder (111) in which a piston (112) moves and one end of which communicates with a pump crankcase (115) crossed through by the crankshaft (114) of the engine, a capacity under pressure (87) opening at one end into the combustion chamber (113) of the cylinder (111), at least one valve (86) ensuring an intermittent sealing between the chamber (113) and the capacity (87), a means (88) intended for carburetting the gas passing in said capacity (87), a means for controlling the opening of said valve (86) comprising a supple membrane (89) separating two chambers (95a, 95b) and connected to the rod of the valve. The engine according to the invention further comprises a linking means (92) between one (95b) of said chambers and the pump crankcase (115) of said cylinder, allowing notably the opening of the valve (86) to be activated as soon as possible when the pressure PB in the chamber (95b) becomes lower than the pressure PS in said capacity (87).

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