

Title (en)

PNEUMATICALLY-CONTROLLED AIR-FUEL MIXTURE INJECTION IN A TWO-STROKE ENGINE

Title (de)

PNEUMATISCH KONTROLLIERTE LUFT/KRAFTSTOFFEINSPRITZUNG IN EINEM ZWEITAKTMOTOR

Title (fr)

MOTEUR DEUX TEMPS A INJECTION PNEUMATIQUE DE MELANGE CARBURE

Publication

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Application

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Abstract (en)

[origin: US5775274A] PCT No. PCT/FR95/01303 Sec. 371 Date Apr. 11, 1997 Sec. 102(e) Date Apr. 11, 1997 PCT Filed Oct. 6, 1995 PCT Pub. No. WO96/11333 PCT Pub. Date Apr. 18, 1996The present invention is an air-blast fuel injection two-stroke engine comprising at least one cylinder (1) in which moves a piston (2) defining a combustion chamber (14) and a pump crankcase (5) forming a continuation of the combustion chamber and separated therefrom by the piston (2), at least one main air inlet (7) in the pump crankcase that can be equipped with a first nonreturn device (6), a device for introducing the fuel mixture at a given pressure, comprising a mechanism (20) for opening and for closing a port (12) for introducing the fuel mixture into the combustion chamber (14), a container (15) connected to the introduction port (12) and containing the fuel mixture under pressure. The engine further comprises a mechanism (30-34) for sucking and introducing the fuel mixture under pressure into the container.

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