

Title (en)

DEVICE FOR INJECTING A FUEL GAS MIXTURE INTO A COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR EINSPRITZUNG EINES BRENNSTOFF-GASGEMISCHES FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'INJECTION D'UN MELANGE GAZ CARBURANT POUR UN MOTEUR A EXPLOSION

Publication

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Application

EP 95935978 A 19951018

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Abstract (en)

[origin: US5890477A] PCT No. PCT/FR95/01372 Sec. 371 Date Jun. 23, 1997 Sec. 102(e) Date Jun. 23, 1997 PCT Filed Oct. 18, 1995 PCT Pub. No. WO96/12886 PCT Pub. Date May 2, 1996A device for transforming internal combustion engines using liquid fuel into over-pressurized engines using gas. Liquid fuel is fed into an annular chamber surrounding a needle. The fuel and primary air is injected at a controlled flow and pressure into a choke chamber to form an air-fuel premixture made of very fine microdrops. During the downstroke of the piston, the premixture is aspirated, causing the projection of the premixture against the blades of a rotor which rotates at high speed. The gasification chamber is then over pressurized during the closing of the intake valve and the introduction of the mixture.

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