

Title (en)

IMPROVED TWO-STROKE INTERNAL COMBUSTION ENGINE, WITH INCREASED EFFICIENCY AND LOW EMISSION OF POLLUTING GAS

Title (de)

ZWEITAKTBRENNKRAFTMASCHINE MIT VERGRÖSSERTEM WIRKUNGSGRAD UND NIEDRIGEM GIFTGASAUSSTOSS

Title (fr)

MODELE AMELIORE DE MOTEUR DEUX-TEMPS A COMBUSTION INTERNE A RENDEMENT ACCRU ET FAIBLE NIVEAU D'EMISSION DE GAZ POLLUANTS

Publication

EP 1282764 B1 20040728 (EN)

Application

EP 00935466 A 20000517

Priority

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Abstract (en)

[origin: WO0188350A1] The improved two-stroke internal combustion engine (1) with improved efficiency and reduced exhaust emissions comprises a crank mechanism (5, 6, 7, 8, 9), with a crank pin (7) and a connecting rod (8), the latter being connected to a guide piston (10) that moves up and down in a sleeve (11), and with a piston (20) connected to the guide piston (10). The piston (20) moves up and down in a cylinder (15) that is completely separate from the area of the crank mechanism (5, 6, 7, 8, 9), the latter being lubricated with oil that can be recycled. The piston (20) is substantially disc shaped and may comprise a plurality of cooling fins (20c). The lower part of the engine (1) may be used as a compressor to feed fresh air to the exhaust or to supercharge the engine, or as a pneumatic pump for direct fuel injection.

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IPC 8 full level

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CPC (source: EP)

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