

Title (en)
TWO STROKE ENGINE WITH ISOLATED CRANKCASE.

Title (de)
ZWEITAKTMOTOR MIT ISOLIERTEM KURBELGEHÄUSE.

Title (fr)
MOTEUR A DEUX TEMPS AVEC CARTER ISOLE.

Publication
EP 0260283 A4 19881109 (EN)

Application
EP 87901301 A 19870306

Priority
AU PH492886 A 19860307

Abstract (en)
[origin: WO8705359A1] An internal combustion engine operating on a two-stroke cycle principle including a unitary piston arrangement comprising a combustion piston (4) operating in a combustion cylinder (1) and a compression or pumping piston (5) operating in a compression cylinder (2), the compression piston having a larger diameter than the combustion piston, and a connecting assembly comprising a piston rod (10), a gudgeon pin (12) fixed in the piston rod eye (11), the outer ends of the pin being rotatably accommodated in a cylindrical crosshead (15) coaxial with the piston rod and reciprocating with the pistons (4, 5) within a bore (16) in the crankcase casting (17). The assembly (10, 12, 15) connects the piston arrangement (4, 5) to the crankshaft (14) mounted in the crankcase (17) via connecting rod (13) and a dividing wall (28) is provided whereby the cylinders (1, 2) are isolated from the region surrounding the crankshaft (14) within the crankcase (17).

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F02B 33/12 (2013.01 - KR); **F02B 33/14** (2013.01 - EP); **F02B 2075/025** (2013.01 - EP)

Citation (search report)

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- CH 112680 A 19251116 - MONTAZET MARIE JOSEPH ANTOINE [FR], et al
- FR 340142 A 19040627 - AUGUSTE EUGENE BRILLIE [FR]
- US 1329364 A 19200203 - CHARLES BRITT
- PATENT ABSTRACTS OF JAPAN, Vol. 9, Nr. 316 (M-438)(2039), December 12, 1985; & JP,A,60 150 429 (NIHON KURINENJIN KENKYUSHO K.K.) 08-08-1985, whole Abstract.
- See references of WO 8705359A1

Designated contracting state (EPC)
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