Title (en)

RECIPROCATING PISTON ENGINE WITH ADJACENT CYLINDERS IN THE CRANKSHAFT DIRECTION IN AN ENGINE CASE

Title (de)

HUBKOLBENMASCHINE MIT IN KURBELWELLENRICHTUNG IN EINEM MASCHINENGEHÄUSE BENACHBARTEN ZYLINDERN

Title (fr)

MOTEUR A PISTONS ALTERNATIFS COMPORTANT DES CYLINDRES ADJACENTS DANS LE SENS DU VILEBREQUIN DANS UN CARTER

Publication

EP 0809749 A1 19971203 (DE)

Application

EP 96904775 A 19960214

Priority

- DE 19504890 A 19950214
- EP 9600631 W 19960214

Abstract (en)

[origin: DE19504890A1] To simplify as much as possible the reciprocating drive mechanism in a reciprocating piston engine with adjacent cylinders in the crankshaft direction in an engine case, especially an internal combustion engine comprising a reciprocating drive mechanism with a hypocycloidal slide bar (9), which has a guide element (17) cooperating with guide surfaces on the engine case, the invention proposes that the guide element (17) of the slide bar (9) be mounted, optionally adjustably mounted, between the piston rods (6, 7) for reciprocating pistons (4, 4', 5, 5') of the serially adjacent cylinders.

IPC 1-7

F01B 9/02; F02B 75/24

IPC 8 full level

F01B 9/02 (2006.01); **F02B 75/24** (2006.01)

CPC (source: EP US)

F01B 9/026 (2013.01 - EP US); **F02B 75/246** (2013.01 - EP US)

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Cited by

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DOCDB simple family (publication)

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DOCDB simple family (application)

DE 19504890 A 19950214; CN 96191881 A 19960214; DE 59601612 T 19960214; EP 9600631 W 19960214; EP 96904775 A 19960214; ES 96904775 T 19960214; JP 52466296 A 19960214; KR 19970704503 A 19970630; US 89417897 A 19971022