

Title (en)

Two-stroke internal-combustion engines with direct injection.

Title (de)

Zweitaktbrennkraftmaschine mit Direkteinspritzung.

Title (fr)

Moteur à combustion interne à deux temps et à injection directe.

Publication

EP 0094872 A1 19831123 (FR)

Application

EP 83400944 A 19830510

Priority

FR 8208339 A 19820513

Abstract (en)

1. A two-stroke internal combustion engine with direct fuel injection wherein the cylinder casing comprises at least one cylinder (4) into which open air intake ducts (7) which are controlled by the associated piston, and at least two casing halves (1A-1B) which are fitted together at a plane which is perpendicular to the axis of said cylinder (4), passing through said ducts, which are oriented in planes parallel to the axis of the cylinder (4), characterised in that the two casing halves (1A-1B) define an air casing (8) which extends around the cylinder (4) over at least a portion of its periphery, on the one hand, and said two casing halves (1A-1B) are produced in rough cast form by pressure casting on the other hand.

Abstract (fr)

Ce moteur comporte un carter-cylindre (1) pourvu d'un cylindre (4) dans lequel débouchent des canaux (7) d'admission d'air qui sont alternativement masqués et découverts par le piston (5). Le carter-cylindre (1) est constitué de deux demi-carters (1A, 1B) coulés sous pression et assemblés suivant un plan perpendiculaire à l'axe du cylindre (4) et passant par les canaux (7). Le moteur est pourvu d'une chemise mince (10) présentant, au droit des canaux (7), des lumières (12) découvrant chacune l'ouverture de plusieurs canaux. Application aux véhicules automobiles.

IPC 1-7

F02F 7/00; **F02F 1/22**

IPC 8 full level

F02F 1/22 (2006.01); **F02F 7/00** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

F02F 1/22 (2013.01); **F02F 7/0036** (2013.01); **F02B 2075/025** (2013.01)

Citation (search report)

- [A] DE 759359 C 19541011 - KLOECKNER HUMBOLDT DEUTZ AG
- [A] DE 460884 C 19280609 - MASCHF AUGSBURG NUERNBERG AG
- [A] FR 2183394 A5 19731214 - PEUGEOT & RENAULT [FR]
- [A] GB 1191572 A 19700513 - FAIRBANKS MORSE INC [US]
- [A] DE 625796 C 19360215 - BUCKAU WOLF MASCHF R
- [A] FR 2360757 A1 19780303 - RENAULT [FR]

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DE GB IT NL SE

DOCDB simple family (publication)

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DOCDB simple family (application)

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