

Title (en)

A RECIPROCATING HERMETIC COMPRESSOR

Title (de)

HERMETISCHER VERDICHTER MIT HIN- UND HERGEHENDEN KOLBEN

Title (fr)

COMPRESSEUR A PISTONS HERMETIQUE

Publication

**EP 0686236 B1 19981104 (EN)**

Application

**EP 95906857 A 19941213**

Priority

- BR 9400045 W 19941213
- BR 9305363 A 19931227

Abstract (en)

[origin: WO9518306A1] A reciprocating hermetic compressor, of the type comprising a cylinder block, in which there is defined a cylinder (21), lodging a reciprocating piston (31), operatively mounted to a crankshaft eccentric portion (11) of a crankshaft (6), further comprising a second cylinder (22), lodging a second reciprocating piston (32), which is operatively mounted to said crankshaft eccentric portion (11) and disposed at 90 DEG from the first cylinder (21); a counterweight means (13), incorporated to the crankshaft (6), so that its inertial force presents components, which are projected on a first axis X and on a second axis Y, containing, respectively the geometric centers of the first reciprocating piston (31) and crankshaft (6) and of the second reciprocating piston (32) and crankshaft (6), in order to balance the inertial forces of said reciprocating pistons (22, 32) and crankshaft eccentric portion (11).

IPC 1-7

**F04B 35/04**; **F04B 39/00**; **F04B 39/12**

IPC 8 full level

**F04B 35/04** (2006.01); **F04B 39/00** (2006.01); **F04B 39/12** (2006.01)

CPC (source: EP)

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IT

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