Title (en)

PISTON MACHINE FOR USE AS A COMPRESSOR OR MOTOR

Title (de)

KOLBENMASCHINE ANWENDBAR ALS VERDICHTER ODER MOTOR

Title (fr)

MACHINE A PISTON UTILISABLE EN COMPRESSEUR OU EN MOTEUR

Publication

EP 0613527 B1 19960410 (FR)

Application

EP 93901789 A 19921120

Priority

• FR 9114385 A 19911122
• FR 9201077 W 19921120

Abstract (en)

[origin: WO9310353A1] The compressor includes a cylindrical housing (1), in the bore of which moves a piston (3) whose periphery is adjusted with little play in the cylinder (1). The end (5) of the piston (3) includes a gas inlet (6) and supports two spherical joints (7) as well as connecting rods (8, 8') which are symmetrical in relation to the axis of the piston (3). The connecting rods (8, 8') pass with play through a transverse wall (11) of the housing (1) and are driven by a mechanical member (13), which includes a mobile component (14) having a rectilinear reciprocating movement, and by a compensator (15). The connecting rods (8, 8') are connected to the compensator (15) by means of ball joints (16, 16') and the compensator (15) is connected by a ball sorbet joint (17) to the mobile component (14). Application: in the manufacture of piston-cylinder machines, in which the piston is driven in a relative reciprocating movement without radial load transmission.

IPC 1-7

F04B 53/00; F04B 39/04; F04B 53/14; F04B 19/02; F04B 25/00; F04B 3/00

IPC 8 full level

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CPC (source: EP US)

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