

Title (en)

Rotary compressor gas routing for muffler system.

Title (de)

Gasleit der Schalldämpfungseinrichtung für Drehkolbenverdichter.

Title (fr)

Chemin des gaz d'un dispositif silencieux pour compresseur rotatif.

Publication

EP 0322531 A2 19890705 (EN)

Application

EP 88117513 A 19881021

Priority

US 13836587 A 19871224

Abstract (en)

A hermetically sealed rotary compressor is disclosed wherein gas compressed within a compression chamber (85) defined by a cylinder block (84) is discharged through respective discharge ports (130, 140) in the main and outboard bearings (64, 74) defining the ends of the cylinder. Mufflers (90, 92) are provided on the outside ends of the bearings into which the compressed gas is expanded. A constricting gas passageway (160) extending through the bearings (64, 74) and the cylinder block (84) provides a path for constricted flow of gas from one muffler (90) to the other (92). The constricted gas expands upon entry into the other muffler (92), thereby providing a cooler recombined discharge gas for use in cooling oil in the oil sump (114) and cooling the motor stator windings (26).

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CPC (source: EP KR)

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Cited by

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EP 0322531 A2 19890705; EP 0322531 A3 19900307; EP 0322531 B1 19911227; BR 8806342 A 19890815; CA 1330976 C 19940726; DE 3867220 D1 19920206; JP H01170789 A 19890705; KR 890010419 A 19890808; KR 910008213 B1 19911011

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