

Title (en)

SCREW COMPRESSOR WITH INTEGRAL BEARING COVER AND DISCHARGE PLENUM DIVIDER

Title (de)

SCHRAUBENKOMPRESSOR MIT INTEGRALEM LAGERDECKEL UND ABFÜHRKAMMERTEILER

Title (fr)

COMPRESSEUR À VIS AVEC REVÊTEMENT DE PALIER INTÉGRAL ET DIVISEUR DE PLÉNUM D'ÉVACUATION

Publication

**EP 2097615 B1 20170712 (EN)**

Application

**EP 06850018 A 20061226**

Priority

US 2006049289 W 20061226

Abstract (en)

[origin: WO2008079131A1] A three rotor screw compressor is provided with a bearing cover, and an integral discharge case having a divider wall formed integrally with the bearing cover. The bearing cover closes bearing chambers for each of three rotor shafts, and the divider wall divides a plenum into two distinct chambers. By providing the divider wall, noise and efficiency losses from intermixing of two discharge flows from two separate compression chambers is eliminated. By forming a divider wall integrally with the bearing cover, leakage which has existed in the prior art is eliminated.

IPC 8 full level

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CPC (source: EP US)

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