

Title (en)

ROTOR COMPRESSOR, ESPECIALLY SCREW ROTOR COMPRESSOR, WITH LUBRICANT SUPPLY TO AND DRAINAGE THEREOF FROM THE BEARINGS

Publication

**EP 0030619 B1 19850102 (DE)**

Application

**EP 80106829 A 19801106**

Priority

DE 2948992 A 19791205

Abstract (en)

[origin: US4394113A] An improved rotor compressor, particularly a screw-type compressor, for compressing a gas is disclosed. The compressor is provided with a housing having an annular drain space surrounding rotor shafts at a location between each shaft bearing and the working space for removing escaping lubricant and gas. The drain space is connected through a drain passage to a closed collecting chamber which is substantially under the intake pressure of the compressor. A return passage is provided for returning gas to at least one of the intake and the working space of the compressor and for returning lubricant to a lubrication circuit.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

**F04C 27/009** (2013.01 - EP US); **F04C 29/02** (2013.01 - EP US)

Citation (examination)

- DD 105868 A1 19740512
- FR 1564294 A 19690418
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- US 2721747 A 19551025 - WHITFIELD JOSEPH E

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**EP 80106829 A 19801106**; AR 28349880 A 19801205; AU 6468580 A 19801125; BR 8007894 A 19801202; CA 365870 A 19801201; DE 2948992 A 19791205; DE 3069916 T 19801106; IN 19CA1981 A 19810108; JP 16973880 A 19801203; US 21372280 A 19801205