Title (en)

Dry compressing vacuum pump having a gas ballast device

Title (de)

Trockenverdichtende Vakuumpumpe mit Gasballasteinrichtung

Title (fr)

Pompe à vide à compression sèche comportant un dispositif de ballast à gaz

Publication

EP 1240433 A1 20020918 (DE)

Application

EP 00951529 A 20000823

Priority

- DE 19962445 A 19991222
- EP 0008201 W 20000823

Abstract (en)

[origin: WO0146592A1] The invention relates to a dry compressing vacuum pump (1) having a continuous or graduated inner compression and comprising a gas ballast device (8) having an isolating valve (11); the gas ballast device (8) also comprises a non-return valve (12), which prevents the escape of gases from the pump (1) through the gas ballast device (8) to the outside.

IPC 1-7 (main, further and additional classification)

F04C 29/10; F04B 25/00; F04B 37/14; F04B 37/20

IPC 8 full level (invention and additional information)

F04C 18/16 (2006.01); **F04C 25/02** (2006.01); **F04B 25/00** (2006.01); **F04B 37/14** (2006.01); **F04B 37/20** (2006.01); **F04C 25/00** (2006.01); **F04C 28/28** (2006.01)

CPC (invention and additional information)

F04C 28/28 (2013.01); **F04B 25/005** (2013.01); **F04B 37/14** (2013.01); **F04B 37/20** (2013.01); F04C 18/16 (2013.01); F04C 2220/12 (2013.01); F04C 2220/50 (2013.01)

Citation (search report)

See references of WO 0146592A1

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