

Title (en)

DRY-RUNNING TWIN-SHAFT VACUUM PUMP.

Title (de)

TROCKENLAUFENDE ZWEIWELLENVAKUUMPUMPE.

Title (fr)

POMPE A VIDE DU TYPE A MARCHE A SEC AVEC DEUX ARBRES.

Publication

EP 0569455 B1 19940803

Application

EP 92904222 A 19920131

Priority

- EP 9200211 W 19920131
- EP 91101331 A 19910201

Abstract (en)

[origin: WO9214060A1] A dry-running twin-shaft vacuum pump (1) with at least one expansion chamber (11, 12, 13), a pair of rotors (4, 5; 6, 7; 8, 9) in the expansion chamber and driven by the shafts (2, 3) and a gear casing (21). In order to limit the regions contaminated during the conveyance of toxic substances to components which are easy to fit, it is proposed that between the gear casing (21) and the adjacent expansion chamber (13) be fitted an intermediate plate (51) pierced by the shafts (2, 3), holding the lateral exhaust pipe (52) and releasable from the wall (17) of the gear casing (21).

IPC 1-7

F04C 27/00; F04C 23/00

IPC 8 full level

F04C 23/00 (2006.01); **F04C 25/00** (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP US)

F04C 23/001 (2013.01 - EP US); **F04C 27/009** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

WO 9214060 A1 19920820; DE 59200347 D1 19940908; EP 0569455 A1 19931118; EP 0569455 B1 19940803; JP H06505076 A 19940609; US 5364245 A 19941115

DOCDB simple family (application)

EP 9200211 W 19920131; DE 59200347 T 19920131; EP 92904222 A 19920131; JP 50393292 A 19920131; US 7485893 A 19930608