

Title (en)

High vacuum pump

Title (de)

Hochvakuumpumpe

Title (fr)

Pompe à vide poussé

Publication

EP 2320090 A2 20110511 (DE)

Application

EP 10013671 A 20101015

Priority

DE 102009052180 A 20091106

Abstract (en)

The high vacuum pump (100) comprises a stator (120), a rotating rotor (110), an antifriction bearing (130), and a lubricating unit (144) for lubricating the antifriction bearing. The lubricating unit comprises a conductive supply packing. The lubricating unit is formed as lubricant circuit.

Abstract (de)

Die Erfindung betrifft eine Hochvakuumpumpe (100) mit einem Stator (120), einem schnell drehenden Rotor (110), einem Wälzlager (130; 230; 330) und einem Mittel (144; 268; 368) zur Schmierung des Wälzlagers. Die Erfindung schlägt vor, dass das Mittel angepasst ist, durch Entladung des Rotors Überschlüge zwischen Stator (120) und Rotor (110) zu verhindern

IPC 8 full level

F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 27/02** (2006.01); **F04D 29/059** (2006.01); **F04D 29/063** (2006.01)

CPC (source: EP)

F04D 17/168 (2013.01); **F04D 19/042** (2013.01); **F04D 27/0292** (2013.01); **F04D 29/059** (2013.01); **F04D 29/063** (2013.01)

Citation (applicant)

EP 1915512 A2 20080430 - EDWARDS VACUUM INC [US]

Cited by

EP2808549A1; JP2014231835A; CN104214112A; CN108678975A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2320090 A2 20110511; **EP 2320090 A3 20170607**; **EP 2320090 B1 20190220**; DE 102009052180 A1 20110512

DOCDB simple family (application)

EP 10013671 A 20101015; DE 102009052180 A 20091106