

Title (en)
DRY-TYPE VACUUM PUMP COMPRISING A DEVICE FOR SEALING AGAINST LUBRICATING FLUIDS, AND CENTRIFUGING ELEMENT
EQUIPPING SUCH A DEVICE

Title (de)
TROCKENE VAKUUMPUMPE MIT EINER VORRICHTUNG ZUR ABDICHTUNG GEGEN SCHMIERFLUIDE UND AN SOLCH EINER
VORRICHTUNG VORGESEHENES ZENTRIFUGATIONSELEMENT

Title (fr)
POMPE A VIDE DE TYPE SECHE COMPORTANT UN DISPOSITIF D'ETANCHEITE AUX FLUIDES LUBRIFIANTS ET ELEMENT
CENTRIFUGEUR EQUIPANT UN TEL DISPOSITIF

Publication
EP 2183508 B1 20170802 (FR)

Application
EP 08761080 A 20080616

Priority
• EP 2008057574 W 20080616
• FR 0757146 A 20070823

Abstract (en)
[origin: WO2009024370A1] The invention relates to a dry-type vacuum pump comprising at least one rotary shaft (11) supported by at least one lubricated bearing (5) and at least one device (9) for sealing against the lubricating fluids which can emanate from said bearing (5) so as to provide sealing in the region of the shaft passage, the sealing device (9) being mounted between the lubricated bearing (5) and a dry pumping stage (7), characterized in that said sealing device (9) comprises a centrifuging element (17) mounted securely in terms of rotation on said shaft (11) and comprising at least one through-duct (19) designed to separate the lubricating fluids from the fluid which can circulate from said bearing (5) towards the dry pumping stage (7).

IPC 8 full level
F16J 15/16 (2006.01); **F04C 27/00** (2006.01)

CPC (source: EP US)
F04C 27/009 (2013.01 - EP US); **F04C 29/026** (2013.01 - EP US); **F04C 2220/12** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2920207 A1 20090227; **FR 2920207 B1 20091009**; CN 101784824 A 20100721; CN 101784824 B 20130703; EP 2183508 A1 20100512; EP 2183508 B1 20170802; JP 2010537109 A 20101202; JP 5037688 B2 20121003; KR 101227220 B1 20130128; KR 20100036374 A 20100407; US 2010189583 A1 20100729; US 8465269 B2 20130618; WO 2009024370 A1 20090226

DOCDB simple family (application)
FR 0757146 A 20070823; CN 200880104028 A 20080616; EP 08761080 A 20080616; EP 2008057574 W 20080616; JP 2010521367 A 20080616; KR 20107003820 A 20080616; US 45297808 A 20080616