

Title (en)
Disks for a turbo molecular pump

Title (de)
Scheiben für eine Turbomolekularpumpe

Title (fr)
Disques pour pompe turbomoléculaire

Publication
EP 1201928 B1 20061108 (DE)

Application
EP 01122335 A 20010919

Priority
DE 10052637 A 20001024

Abstract (en)
[origin: EP1201928A2] The disks for a turbo molecular pump have a carrier ring with the paddles forming radial slits between them, to impel the molecules of the gas being pumped. A number of part-disks are assembled in an axial direction, so that the paddles (31,32) of one part-disk cover the slits (41,42) of the following part-disk wholly or partially. The part-disks are assembled together so that they are seen as tightly packed in the axial direction. The part-disks are of sheet plate, and the paddles are stamped out, and twisted out of the disk plane.

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/32** (2006.01); **F04D 29/38** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)
F04D 19/042 (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F04D 29/542** (2013.01 - EP US); **F04D 29/544** (2013.01 - EP US);
F05D 2230/54 (2013.01 - EP US); **F05D 2300/171** (2013.01 - EP US)

Cited by
CN102062121A; EP3032106A1; WO2008151770A1; TWI424121B

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 1201928 A2 20020502; EP 1201928 A3 20030416; EP 1201928 B1 20061108; DE 10052637 A1 20020502; DE 10052637 B4 20210311;
DE 50111402 D1 20061221; JP 2002161889 A 20020607; JP 4056725 B2 20080305; US 2002098088 A1 20020725

DOCDB simple family (application)
EP 01122335 A 20010919; DE 10052637 A 20001024; DE 50111402 T 20010919; JP 2001309958 A 20011005; US 1414101 A 20011008