

Title (en)
Turbomolecular pump

Title (de)
Turbomolekularpumpe

Title (fr)
Pompe turbomoléculaire

Publication
EP 2458222 A3 20160309 (DE)

Application
EP 11008602 A 20111027

Priority
DE 102010052660 A 20101126

Abstract (en)
[origin: EP2458222A2] The turbo molecular pump has a rotor with a blade ring. A stator disk has support ring and two partial disks, where support ring is connected with blade ring. The abutting edges (54,58) of a partial disk are shaped such that they collide in partially crossed manner.

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

CPC (source: EP)
F04D 19/042 (2013.01); **F04D 29/542** (2013.01); **F04D 29/644** (2013.01)

Citation (search report)
• [A] JP 2004353652 A 20041216 - OSAKA VACUUM LTD
• [A] EP 0967395 A2 19991229 - SEIKO SEIKI KK [JP]

Cited by
JP2016142268A; US2014255153A1; US2014271160A1; US9470235B2; EP3051140A1; CN105840525A; EP3916235A1; JP2021188612A

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 2458222 A2 20120530; EP 2458222 A3 20160309; EP 2458222 B1 20170927; DE 102010052660 A1 20120531

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EP 11008602 A 20111027; DE 102010052660 A 20101126