

Title (en)  
Stator disc for turbomolecular pump

Title (de)  
Statorscheibe für Turbomolekularpumpe

Title (fr)  
Anneau de stator pour pompe moléculaire

Publication  
**EP 1731766 A3 20100623 (DE)**

Application  
**EP 06009899 A 20060513**

Priority  
DE 102005027097 A 20050611

Abstract (en)  
[origin: EP1731766A2] The disc has a set of vanes (2) exposed in a stator disc plane, an inner ring and an outer ring, where the stator disc is divided into two identical disk sections. A connecting position is provided between the vanes and rings. The vane has a radial rod at the connecting position, where the width of the radial rod along the circumference is smaller than the vane width. The radial rod is arranged between the vane edges. An independent claim is also included for a method for manufacturing a stator disc.

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

CPC (source: EP US)  
**F04D 19/042** (2013.01 - EP US); **F04D 29/542** (2013.01 - EP US); **F05B 2230/10** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1731766 A2 20061213; EP 1731766 A3 20100623; EP 1731766 B1 20120328**; AT E551533 T1 20120415; DE 102005027097 A1 20061214; JP 2006348935 A 20061228; US 2006280595 A1 20061214

DOCDB simple family (application)  
**EP 06009899 A 20060513**; AT 06009899 T 20060513; DE 102005027097 A 20050611; JP 2006115643 A 20060419; US 41580506 A 20060501