

Title (en)
Stator disc for a turbo molecular pump

Title (de)
Statorscheibe für eine Turbomolekularpumpe

Title (fr)
Disque de stator pour une pompe turbomoléculaire

Publication
EP 1918588 B1 20170719 (DE)

Application
EP 07019878 A 20071011

Priority
DE 102006050565 A 20061026

Abstract (en)
[origin: EP1918588A2] The disk has a plate (4) at a side of an outer ring (3), such that the plate fulfills the function of a spacer ring, where the plate is turned away from a disk plane, and the side is turned outwards in a radial direction. A support ring (5) is connected with the plate, and forms a part of a cylinder, which has an axis that is perpendicular to the disk plane. The support ring has a component with U-shaped cross-section, and a part of the plate is arranged within U of the U-shaped cross-section. An independent claim is also included for a method for manufacturing a stator disk for a turbo-molecular pump.

IPC 8 full level
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CPC (source: EP)
F04D 19/042 (2013.01); **F04D 29/522** (2013.01); **F04D 29/542** (2013.01)

Cited by
JP2016142268A; EP4325061A1; US2014205431A1; US10161403B2; EP2913533A1; EP3051140A1; CN105840525A; EP2894348B1

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