

Title (en)
Stator disc

Title (de)
Statorscheibe

Title (fr)
Disque de stator

Publication
EP 2913533 B1 20200108 (DE)

Application
EP 15152240 A 20150123

Priority
DE 102014102681 A 20140228

Abstract (en)
[origin: JP2015165135A] PROBLEM TO BE SOLVED: To provide a vacuum pump, particularly a turbo molecular pump, and a method for which a stator disc has feasibly high geometrical flexibility and can be manufactured at a low cost as easily and appropriately as possible.SOLUTION: A stator disc 86 in a vacuum pump, particularly a turbo molecular pump 84, comprises at least two stator disc parts 92, preferably two stator disc half parts including a plurality of thin plate blade parts continuous in a peripheral direction and having a partial ring shape, each of the stator disc parts 92 of the partial ring shape including a plurality of thin plate partial segments 94, the thin plate partial segments 94 of the stator disc parts 92 of the partial ring shape being connected to one another via a common injection molded member 100 in an inner circumference 96 and/or an outer circumference 98.

IPC 8 full level
F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 29/54** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP)
F04D 17/168 (2013.01); **F04D 19/042** (2013.01); **F04D 29/542** (2013.01); **F04D 29/644** (2013.01)

Cited by
EP3252314A4; EP3581801A4; US10480523B2; US11168697B2

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

DOCDB simple family (publication)
EP 2913533 A1 20150902; EP 2913533 B1 20200108; DE 102014102681 A1 20150903; JP 2015165135 A 20150917; JP 6166296 B2 20170719

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EP 15152240 A 20150123; DE 102014102681 A 20140228; JP 2015036440 A 20150226