

Title (en)
Stator disc

Title (de)
Statorscheibe

Title (fr)
Disque de stator

Publication
EP 2886869 B1 20180905 (DE)

Application
EP 14192849 A 20141112

Priority
DE 102013114576 A 20131219

Abstract (en)
[origin: JP2015117699A] PROBLEM TO BE SOLVED: To provide a stator disk for a turbo molecular pump having an improved strength.SOLUTION: The problem described above is solved by a stator disk (26) for a turbo molecular pump (10) and in this case, the stator disk (26) extends in a plane as a partial ring shape and it has an inner ring (84) and an outer ring (86), these rings are connected to each other by a stator blade (88), some hardening elements (92, 98, 100) for use in hardening the stator disk (26) are arranged between the inner ring (84) and the outer ring (86).

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/54** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)
F04D 19/042 (2013.01); **F04D 29/542** (2013.01); **F04D 29/668** (2013.01)

Cited by
EP3611381A1

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 2886869 A1 20150624; EP 2886869 B1 20180905; DE 102013114576 A1 20150625; JP 2015117699 A 20150625; JP 6027601 B2 20161116

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EP 14192849 A 20141112; DE 102013114576 A 20131219; JP 2014250730 A 20141211