

Title (en)
SIEGBAHN STAGE

Title (de)
SIEGBAHNSTUFE

Title (fr)
ÉTAGE DE SIEGBAHN

Publication
EP 2960519 B1 20191106 (DE)

Application
EP 15174030 A 20150626

Priority
DE 102014109004 A 20140626

Abstract (en)
[origin: JP2016008611A] PROBLEM TO BE SOLVED: To provide a simple Shiegbahn step that can be correspondingly manufactured in less-expensive manner in consideration of different vacuum technological requirements.SOLUTION: Siegbahn step 14 of a vacuum pump, in particular, a turbo molecular pump or a side-channel pump has a stator mechanism 16 and a rotor mechanism 18, each of them has one of two pump acting surfaces 20, 22 facing to each other, at least the pump acting surface of the stator mechanism has a structural surface 30. In this case, the pump acting surfaces facing to each other of the stator mechanism and the rotor mechanism are not flat.

IPC 8 full level
F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 23/00** (2006.01)

CPC (source: EP)
F04D 17/168 (2013.01); **F04D 19/042** (2013.01); **F04D 23/008** (2013.01)

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 2960519 A1 20151230; EP 2960519 B1 20191106; DE 102014109004 A1 20151231; JP 2016008611 A 20160118

DOCDB simple family (application)
EP 15174030 A 20150626; DE 102014109004 A 20140626; JP 2015126240 A 20150624