

Title (en)

SIDE-CHANNEL VACUUM PUMP STAGE WITH A CHANNEL CROSS-SECTION THAT FEATURES A PARTICULAR CURVATURE

Title (de)

SEITENKANAL-VAKUUMPUMPSTUFE MIT EINEM KANALQUERSCHNITT, DER EINE BESTIMMTE KRÜMMUNG AUFWEIST

Title (fr)

ÉTAGE DE POMPE A VIDE À CANAL LATÉRAL AVEC UNE SECTION TRANSVERSALE DE CANAL PRÉSENTANT UNE COURBURE PARTICULIÈRE

Publication

EP 3104014 B1 20210929 (DE)

Application

EP 16171240 A 20140714

Priority

- DE 102013108482 A 20130806
- EP 14176840 A 20140714

IPC 8 full level

F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 29/16** (2006.01); **F04D 29/40** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP)

F04D 17/168 (2013.01); **F04D 23/008** (2013.01); **F04D 29/403** (2013.01); **F04D 29/681** (2013.01); **F05D 2300/516** (2013.01)

Cited by

US11519413B2; WO2020081422A1

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 2835536 A2 20150211; **EP 2835536 A3 20150506**; **EP 2835536 B1 20181128**; DE 102013108482 A1 20150212; EP 3088743 A1 20161102; EP 3088743 B1 20191225; EP 3104014 A1 20161214; EP 3104014 B1 20210929

DOCDB simple family (application)

EP 14176840 A 20140714; DE 102013108482 A 20130806; EP 16171240 A 20140714; EP 16171251 A 20140714