

Title (en)

VACUUM PUMP

Title (de)

VAKUUMPUMPE

Title (fr)

POMPE À VIDE

Publication

EP 3608545 B1 20210217 (DE)

Application

EP 19201021 A 20141009

Priority

- DE 102013220879 A 20131015
- EP 14188325 A 20141009

IPC 8 full level

F04D 19/04 (2006.01); **F04D 29/16** (2006.01); **F04D 29/54** (2006.01); **F04D 29/52** (2006.01)

CPC (source: EP)

F04D 19/042 (2013.01); **F04D 19/046** (2013.01); **F04D 29/164** (2013.01); **F04D 29/526** (2013.01)

Citation (examination)

JP S62203995 A 19870908 - ANELVA CORP

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 2863063 A2 20150422; **EP 2863063 A3 20150826**; **EP 2863063 B1 20191211**; DE 102013220879 A1 20150416; EP 3608545 A1 20200212; EP 3608545 B1 20210217

DOCDB simple family (application)

EP 14188325 A 20141009; DE 102013220879 A 20131015; EP 19201021 A 20141009