

Title (en)

VACUUM PUMP

Title (de)

VAKUUMPUMPE

Title (fr)

POMPE À VIDE

Publication

**EP 3133290 B1 20210609 (DE)**

Application

**EP 15181767 A 20150820**

Priority

EP 15181767 A 20150820

IPC 8 full level

**F04D 19/04** (2006.01); **F04D 29/059** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP)

**F04D 19/042** (2013.01); **F04D 19/048** (2013.01); **F04D 29/059** (2013.01); **F04D 29/32** (2013.01); **F05D 2230/53** (2013.01)

Cited by

CN113187743A

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 3133290 A1 20170222; EP 3133290 B1 20210609**

DOCDB simple family (application)

**EP 15181767 A 20150820**