

Title (en)
PART FOR VACUUM PUMPS AND VACUUM PUMP

Title (de)
TEIL FÜR VAKUUMPUMPEN UND VAKUUMPUMPE

Title (fr)
PIÈCE POUR POMPES À VIDE, ET POMPE À VIDE

Publication
EP 2881590 A4 20160406 (EN)

Application
EP 13824768 A 20130724

Priority
• JP 2012171432 A 20120801
• JP 2013070021 W 20130724

Abstract (en)
[origin: EP2881590A1] Provided are a vacuum pump part and a vacuum pump suitable for performing adequately the processing of forming a coating on the surface of a fiber-reinforced composite material. In a vacuum pump part, a plating layer, which is a coating serving as a coating layer, is formed on the surface of a second cylindrical member of a cylindrical shape which is constituted by a fiber-reinforced composite material. The plating layer is formed through a removal processing step for removing a surface portion including a parting agent layer from the surface of the second cylindrical member of a cylindrical shape, and a roughening step for roughening a surface of the second cylindrical member after the surface portion including the parting agent layer has been removed.

IPC 8 full level
F04D 19/04 (2006.01); **B24C 1/08** (2006.01); **F04D 29/02** (2006.01); **F04D 29/26** (2006.01)

CPC (source: CN EP KR US)
B24C 1/08 (2013.01 - EP US); **F04D 19/042** (2013.01 - CN EP US); **F04D 19/044** (2013.01 - CN EP KR US);
F04D 29/023 (2013.01 - CN EP KR US); **F04D 29/26** (2013.01 - US); **F05D 2300/516** (2013.01 - EP US); **F05D 2300/603** (2013.01 - CN EP US);
F05D 2300/611 (2013.01 - CN EP US); **Y10T 428/24355** (2015.01 - EP US)

Citation (search report)
• [YA] WO 2011162070 A1 20111229 - EDWARDSJAPAN LTD [JP], et al & EP 2587069 A1 20130501 - EDWARDS JAPAN LTD [JP]
• [Y] US 2007269608 A1 20071122 - SAITO MASAHIRO [JP], et al
• [YA] WO 2005014892 A2 20050217 - BOC GROUP PLC [GB], et al
• [YA] WO 2008157013 A1 20081224 - HONTEK CORP [US], et al
• [A] WO 2005001294 A1 20050106 - BOC GROUP PLC [GB], et al
• See references of WO 2014021160A1

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 2881590 A1 20150610; **EP 2881590 A4 20160406**; CN 104471254 A 20150325; JP 2014031734 A 20140220; KR 20150037747 A 20150408;
US 2015184669 A1 20150702; WO 2014021160 A1 20140206

DOCDB simple family (application)
EP 13824768 A 20130724; CN 201380039323 A 20130724; JP 2012171432 A 20120801; JP 2013070021 W 20130724;
KR 20147033866 A 20130724; US 201314417037 A 20130724