

Title (en)

COATING STRUCTURE, IMPELLER, COMPRESSOR, METAL PART MANUFACTURING METHOD, IMPELLER MANUFACTURING METHOD, AND COMPRESSOR MANUFACTURING METHOD

Title (de)

BESCHICHTUNGSSTRUKTUR, LAUFRAD, VERDICHTER, METALLTEILHERSTELLUNGSVERFAHREN, LAUFRADHERSTELLUNGSVERFAHREN UND VERDICHTERHERSTELLUNGSVERFAHREN

Title (fr)

STRUCTURE DE REVÊTEMENT, ROTOR, COMPRESSEUR, PROCÉDÉ DE FABRICATION DE PIÈCE MÉTALLIQUE, PROCÉDÉ DE FABRICATION DE ROTOR ET PROCÉDÉ DE FABRICATION DE COMPRESSEUR

Publication

EP 3299493 B1 20191225 (EN)

Application

EP 15905444 A 20151001

Priority

JP 2015077940 W 20151001

Abstract (en)

[origin: EP3299493A1] Said coating structure is provided with: a chemical conversion layer (11), which is formed by chemical conversion coating so as to cover the surface of an impeller body (10) obtained from a magnesium alloy that contains magnesium as the main component and which has a film thickness within a previously determined range; and a plating layer (12) formed so as to cover the chemical conversion layer (11).

IPC 8 full level

C23C 22/08 (2006.01); **C22C 23/06** (2006.01); **C23C 18/16** (2006.01); **C23C 18/32** (2006.01); **C23C 22/12** (2006.01); **C23C 22/18** (2006.01); **C23C 28/00** (2006.01); **C23C 28/02** (2006.01); **F04D 29/02** (2006.01); **F04D 29/26** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)

C22C 23/06 (2013.01 - EP US); **C23C 18/32** (2013.01 - EP US); **C23C 18/50** (2013.01 - US); **C23C 22/18** (2013.01 - EP US); **C23C 28/00** (2013.01 - EP US); **C23C 28/025** (2013.01 - US); **C23C 28/30** (2013.01 - EP US); **C23C 28/34** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/266** (2013.01 - US); **F04D 29/284** (2013.01 - EP US); **C23C 18/1651** (2013.01 - EP US); **C23C 22/08** (2013.01 - EP US); **C23C 22/12** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2260/95** (2013.01 - EP US); **F05D 2300/125** (2013.01 - EP US); **F05D 2300/2108** (2013.01 - EP US); **F05D 2300/611** (2013.01 - EP US)

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 3299493 A1 20180328; **EP 3299493 A4 20180328**; **EP 3299493 B1 20191225**; CN 107709616 A 20180216; JP 6489720 B2 20190327; JP WO2017056290 A1 20180531; US 2018171483 A1 20180621; WO 2017056290 A1 20170406

DOCDB simple family (application)

EP 15905444 A 20151001; CN 201580081249 A 20151001; JP 2015077940 W 20151001; JP 2017542637 A 20151001; US 201515739268 A 20151001