

Title (en)  
Impeller coating

Title (de)  
Laufradbeschichtung

Title (fr)  
Revêtement de turbine

Publication  
**EP 1985801 A1 20081029 (EN)**

Application  
**EP 07008235 A 20070423**

Priority  
EP 07008235 A 20070423

Abstract (en)  
An impeller (12) is provided with a back surface that is at least partly coated with a thermal barrier coating (14) comprising an anodised layer, polymer or polymer-based ceramics.

IPC 8 full level  
**F01D 5/04** (2006.01); **F04D 29/02** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)  
**F01D 5/046** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F01D 11/02** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2230/31** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP US); **F05D 2300/2112** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US)

Citation (search report)

- [X] US 6155780 A 20001205 - ROUSE GREGORY C [US]
- [X] US 2004197212 A1 20041007 - ROBY STEVE [US]
- [X] DE 4239391 A1 19930609
- [X] FR 2451997 A1 19801017 - MTU MUENCHEN GMBH [DE]
- [A] WO 2006126993 A1 20061130 - HONEYWELL INT INC [US], et al

Cited by  
FR2942267A1; FR3074520A1; EP3712401A4; US8915711B2; US11300140B2; WO2010094873A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1985801 A1 20081029**; EP 2148976 A1 20100203; US 2010215506 A1 20100826; WO 2008128954 A1 20081030

DOCDB simple family (application)  
**EP 07008235 A 20070423**; EP 08736321 A 20080417; EP 2008054656 W 20080417; US 59559308 A 20080417