

Title (en)
TURBINE BLADE

Title (de)
TURBINENSCHAUFEL

Title (fr)
AUBE DE TURBINE

Publication
EP 2087206 B1 20100303 (DE)

Application
EP 07820379 A 20070920

Priority
• EP 2007059935 W 20070920
• EP 06023274 A 20061108
• EP 07820379 A 20070920

Abstract (en)
[origin: EP1921268A1] The blade (10) has a cooling unit (18) and a cooling channel (14) for aiding cooling medium flow, where the cooling medium is arranged in a flow path of the cooling medium. The cooling unit is formed in a shape of stud. A flow attacking edge (12) extends in a side of the blade, and the cooling channel is bordered opposite to the flow attacking edge by a wall section. The cooling unit extends from the wall section into the cooling channel.

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP US)
F01D 5/187 (2013.01 - EP US); **F05D 2240/121** (2013.01 - EP US); **F05D 2240/303** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/22141** (2013.01 - EP US)

Cited by
US9850762B2; US9957816B2; US10422235B2; US10280785B2; US9995148B2; US10690055B2; US10364684B2

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

DOCDB simple family (publication)
EP 1921268 A1 20080514; AT E459785 T1 20100315; CN 101535602 A 20090916; CN 101535602 B 20120111; DE 502007003044 D1 20100415; EP 2087206 A1 20090812; EP 2087206 B1 20100303; JP 2010509532 A 20100325; JP 2012137089 A 20120719; JP 5269223 B2 20130821; US 2010143153 A1 20100610; US 8297926 B2 20121030; WO 2008055737 A1 20080515

DOCDB simple family (application)
EP 06023274 A 20061108; AT 07820379 T 20070920; CN 200780041599 A 20070920; DE 502007003044 T 20070920; EP 07820379 A 20070920; EP 2007059935 W 20070920; JP 2009535648 A 20070920; JP 2012046594 A 20120302; US 51374207 A 20070920