

Title (en)  
Blade for turbomachine

Title (de)  
Schaufel einer Strömungsarbeitsmaschine

Title (fr)  
Pale d'une turbomachine

Publication  
**EP 1760321 A3 20110727 (DE)**

Application  
**EP 06016439 A 20060807**

Priority  
DE 102005042115 A 20050905

Abstract (en)  
[origin: EP1760321A2] The blade has a profile skeleton line and an extended meridian flow line, and is divided into three zones in radial direction. The profile skeleton line is set within the divided zones following predetermined conditions involving the a point of the profile skeleton line, the inclination angles of the front and rear edges of the blade, the dimensions and total curvature of the blade, the angles of the tangent at any point of the profile skeleton line to the middle of the meridian flow line, and the complete length of the profile skeleton line.

IPC 8 full level  
**F04D 29/32** (2006.01)

CPC (source: EP US)  
**F01D 5/141** (2013.01 - EP US); **F01D 5/145** (2013.01 - EP US); **F04D 29/324** (2013.01 - EP US); **F04D 29/544** (2013.01 - EP US); **F05D 2240/301** (2013.01 - EP US); **F05D 2250/71** (2013.01 - EP US); **Y10S 416/02** (2013.01 - EP US)

Citation (search report)

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- [X] EP 0833060 A2 19980401 - TOSHIBA KK [JP]
- [A] US 2660401 A 19531124 - HULL JR THOMAS N
- [A] FR 2828709 A1 20030221 - SNECMA MOTEURS [FR]
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- [A] US 2663493 A 19531222 - KEAST FRANCIS H

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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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1760321 A2 20070307; EP 1760321 A3 20110727**; DE 102005042115 A1 20070308; US 2007053779 A1 20070308; US 7419353 B2 20080902

DOCDB simple family (application)  
**EP 06016439 A 20060807**; DE 102005042115 A 20050905; US 51082606 A 20060828