

Title (en)  
TURBINE BLADE AND METHOD FOR PRODUCING A TURBINE BLADE

Title (de)  
TURBINENSCHAUFEL UND VERFAHREN ZUR HERSTELLUNG EINER TURBINENSCHAUFEL

Title (fr)  
AUBE DE TURBINE ET SON PROCEDE DE PRODUCTION

Publication  
**EP 1173657 B1 20030820 (DE)**

Application  
**EP 00925036 A 20000309**

Priority  
• DE 0000734 W 20000309  
• DE 19910380 A 19990309

Abstract (en)  
[origin: WO0053896A1] The invention relates to a turbine blade (1) which extends along a principal axis (2) from a bottom area (4) via a blade area (6) that can be subjected to hot gas to a top area (8). The turbine blade (1) is essentially formed of carbon that is reinforced by carbon fibres. At least the blade area (6) is provided with a blade outer wall (10) with carbon that is reinforced by carbon fibres. Said wall (10) is surrounded by a protective layer (18). The invention also relates to a method for producing a turbine blade (1).

IPC 1-7  
**F01D 5/28**

IPC 8 full level  
**C04B 41/87** (2006.01); **F01D 5/14** (2006.01); **F01D 5/18** (2006.01); **F01D 5/28** (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP US)  
**F01D 5/147** (2013.01 - EP US); **F01D 5/18** (2013.01 - EP US); **F01D 5/186** (2013.01 - EP US); **F01D 5/282** (2013.01 - EP US); **F01D 5/284** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US); **F05D 2300/224** (2013.01 - EP US); **F05D 2300/2261** (2013.01 - EP US); **Y10T 428/30** (2015.01 - EP US)

Cited by  
DE102012205055A1; DE102012205055B4; WO2013143886A1; DE102010041786A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**WO 0053896 A1 20000914**; CA 2366842 A1 20000914; DE 50003371 D1 20030925; EP 1173657 A1 20020123; EP 1173657 B1 20030820; JP 2002539350 A 20021119; US 6769866 B1 20040803

DOCDB simple family (application)  
**DE 0000734 W 20000309**; CA 2366842 A 20000309; DE 50003371 T 20000309; EP 00925036 A 20000309; JP 2000604099 A 20000309; US 93605102 A 20020110