

Title (en)  
METHOD FOR THE PRODUCTION OF AN ARMOR PLATING FOR A BLADE TIP

Title (de)  
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Title (fr)  
PROCEDE DE FABRICATION D'UN BLINDAGE POUR UNE AUBE DE TURBINE

Publication  
**EP 1904257 A1 20080402 (DE)**

Application  
**EP 06761692 A 20060623**

Priority  
• DE 2006001071 W 20060623  
• DE 102005030848 A 20050701

Abstract (en)  
[origin: WO2007003160A1] The invention relates to a method for producing an armor plating (14) on the tip of a blade (10) of a turbomachine, especially on a rotating high-pressure compressor blade of a gas turbine. Said method comprises the following steps: a) a blade (10) made of a basic nickel material is provided; b) a basic nickel solder is applied to a tip (13) of the blade (10); c) hard particles that are made of cubic boron nitride and are coated with titanium or a basic titanium material are applied to the solder; d) the solder is fused on in a vacuum so as to obtain a matrix which at least partly surrounds the hard particles; e) the armor plating (14) of the blade tip is fixed by means of a cooling process.

IPC 8 full level  
**B23K 1/00** (2006.01); **F01D 5/20** (2006.01); **B23K 101/00** (2006.01)

CPC (source: EP US)  
**B23K 1/0018** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **B23K 2101/001** (2018.07 - EP US); **F05C 2201/0466** (2013.01 - EP US); **F05C 2203/0839** (2013.01 - EP US); **Y10T 29/49337** (2015.01 - EP US)

Citation (search report)  
See references of WO 2007003160A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**DE 102005030848 A1 20070111**; CA 2613965 A1 20070111; EP 1904257 A1 20080402; US 2008263865 A1 20081030;  
WO 2007003160 A1 20070111

DOCDB simple family (application)  
**DE 102005030848 A 20050701**; CA 2613965 A 20060623; DE 2006001071 W 20060623; EP 06761692 A 20060623; US 91642306 A 20060623