

Title (en)
BLADE FOR A TURBOMACHINE, HAVING BLADE-TIP ARMOR PLATING AND ANTI-EROSION LAYER, AND METHOD FOR PRODUCING SAID BLADE

Title (de)
SCHAUFEL FÜR EINE STRÖMUNGSMASCHINE MIT SCHAUFELSPITZENPANZERUNG UND EROSIONSSCHUTZSCHICHT UND VERFAHREN ZUR HERSTELLUNG DERSELBEN

Title (fr)
AUBE POUR UNE TURBOMACHINE, AYANT UN BLINDAGE DE POINTE D'AUBE ET UNE COUCHE ANTI-ÉROSION, ET PROCÉDÉ DE PRODUCTION DE LADITE AUBE

Publication
EP 4153794 A1 20230329 (DE)

Application
EP 21724560 A 20210428

Priority
• DE 102020206202 A 20200518
• DE 2021100387 W 20210428

Abstract (en)
[origin: WO2021233496A1] The present invention relates to a blade for a turbomachine, the blade having blade-tip armor plating (5) on its blade tip (4) and having an anti-erosion layer (11) over the blade-tip armor plating. The anti-erosion layer of the blade has, in the region of the blade tip, a layer thickness in the range of 5 to 100 µm, more particularly 10 to 50 µm.

IPC 8 full level
C23C 28/00 (2006.01); **C23C 14/06** (2006.01); **C23C 14/34** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)
C23C 14/06 (2013.01 - US); **C23C 14/542** (2013.01 - US); **C23C 28/321** (2013.01 - EP); **C23C 28/324** (2013.01 - EP); **C23C 28/345** (2013.01 - EP); **C23C 28/347** (2013.01 - EP); **C25D 3/12** (2013.01 - US); **C25D 15/00** (2013.01 - US); **F01D 5/20** (2013.01 - EP); **F01D 5/282** (2013.01 - US); **F01D 5/284** (2013.01 - EP US); **F01D 5/286** (2013.01 - EP); **F01D 5/288** (2013.01 - EP US); **F05D 2230/90** (2013.01 - EP)

Citation (search report)
See references of WO 2021233496A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020206202 A1 20211118; EP 4153794 A1 20230329; US 2023340884 A1 20231026; WO 2021233496 A1 20211125

DOCDB simple family (application)
DE 102020206202 A 20200518; DE 2021100387 W 20210428; EP 21724560 A 20210428; US 202117925703 A 20210428