

Title (en)  
COATING FOR HOT-SHAPING CORE

Title (de)  
BESCHICHTUNG FÜR WARMFORMKERN

Title (fr)  
REVETEMENT POUR NOYAU DE CONFORMAGE A CHAUD

Publication  
**EP 3899090 A1 20211027 (FR)**

Application  
**EP 19848973 A 20191220**

Priority  
• FR 1873943 A 20181221  
• FR 2019053262 W 20191220

Abstract (en)  
[origin: WO2020128398A1] The invention concerns a method for coating a core (1) for producing a turbomachine part (2) by isostatic compacting, for example a leading-edge shield of a blade, the coating method comprising the steps of: - S1: covering the core (1) by means of a first solution comprising a first refractory component configured to oppose the diffusion of species, the first component comprising a metal oxide, - S2: covering the core (1) by means of a second solution comprising a second component designed to bind the first component in such a way as to form a homogeneous layer, the second component comprising a mineral binder; - S3: applying a heat treatment to the covered core (1) in such a way as to dry the solution and solidify the coating.

IPC 8 full level  
**C23C 24/08** (2006.01); **B21D 53/78** (2006.01); **B23P 15/04** (2006.01); **F01D 5/14** (2006.01)

CPC (source: EP US)  
**B23P 15/04** (2013.01 - EP US); **C04B 35/505** (2013.01 - US); **C04B 35/62222** (2013.01 - US); **C04B 35/64** (2013.01 - US); **C23C 24/082** (2013.01 - EP US); **F01D 5/14** (2013.01 - US); **C04B 2235/3217** (2013.01 - US); **C04B 2235/3225** (2013.01 - US); **C04B 2235/3229** (2013.01 - US); **C04B 2235/3232** (2013.01 - US); **C04B 2235/3256** (2013.01 - US); **C04B 2235/3275** (2013.01 - US); **C04B 2235/3284** (2013.01 - US); **C04B 2235/3293** (2013.01 - US); **C04B 2235/3418** (2013.01 - US); **C04B 2235/3463** (2013.01 - US); **F01D 5/147** (2013.01 - EP); **F05D 2220/36** (2013.01 - EP); **F05D 2230/211** (2013.01 - EP); **F05D 2230/40** (2013.01 - US); **F05D 2230/42** (2013.01 - EP); **F05D 2230/90** (2013.01 - US); **F05D 2240/303** (2013.01 - EP); **F05D 2300/174** (2013.01 - US)

Citation (search report)  
See references of WO 2020128398A1

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

DOCDB simple family (publication)  
**WO 2020128398 A1 20200625**; CN 113166949 A 20210723; EP 3899090 A1 20211027; FR 3090695 A1 20200626; FR 3090695 B1 20201204; US 11702371 B2 20230718; US 2022064073 A1 20220303

DOCDB simple family (application)  
**FR 2019053262 W 20191220**; CN 201980076818 A 20191220; EP 19848973 A 20191220; FR 1873943 A 20181221; US 201917416799 A 20191220