

Title (en)  
TRANSPLANTED THERMAL BARRIER COATING SYSTEM

Title (de)  
TRANSPLANTIERTES WÄRMEDÄMMENDES BESCHICHTUNGSSYSTEM

Title (fr)  
SYSTÈME DE REVÊTEMENT DE BARRIÈRE THERMIQUE TRANSPLANTÉ

Publication  
**EP 4281595 A1 20231129 (EN)**

Application  
**EP 22702901 A 20220121**

Priority

- US 202163140341 P 20210122
- EP 2022051388 W 20220121

Abstract (en)  
[origin: WO2022157331A1] Method for forming a molded part and the molded part. The method includes applying a thermal barrier coating (TBC) system to a sand core; inserting the TBC coated sand core into a mold; and forming a cast iron part in the mold with the inserted TBC coated sand core.

IPC 8 full level  
**C23C 4/02** (2006.01); **B22C 9/00** (2006.01); **C23C 4/06** (2016.01); **C23C 4/073** (2016.01); **C23C 4/11** (2016.01); **C23C 4/134** (2016.01); **C23C 4/18** (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP KR US)  
**B22C 3/00** (2013.01 - EP KR); **B22C 9/10** (2013.01 - EP KR US); **B22C 9/12** (2013.01 - EP KR US); **B22C 9/18** (2013.01 - EP KR); **B22D 15/00** (2013.01 - US); **B22D 15/02** (2013.01 - EP KR); **B22D 19/00** (2013.01 - US); **C23C 4/02** (2013.01 - EP KR); **C23C 4/06** (2013.01 - EP KR); **C23C 4/073** (2016.01 - EP KR); **C23C 4/11** (2016.01 - EP KR US); **C23C 4/134** (2016.01 - EP KR); **C23C 4/18** (2013.01 - EP KR); **C23C 28/321** (2013.01 - EP KR); **C23C 28/3215** (2013.01 - EP KR); **C23C 28/3455** (2013.01 - EP KR); **C23C 28/36** (2013.01 - EP KR); **C23C 4/134** (2016.01 - US)

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)  
**WO 2022157331 A1 20220728**; CN 116848284 A 20231003; EP 4281595 A1 20231129; JP 2024505622 A 20240207; KR 20230132480 A 20230915; MX 2023008491 A 20230726; US 2024066589 A1 20240229

DOCDB simple family (application)  
**EP 2022051388 W 20220121**; CN 202280009732 A 20220121; EP 22702901 A 20220121; JP 2023540493 A 20220121; KR 20237025106 A 20220121; MX 2023008491 A 20220121; US 202218271312 A 20220121