

Title (en)  
COMPOSITE BODY AND METHOD FOR PRODUCING A COMPOSITE BODY

Title (de)  
VERBUNDKÖRPER UND VERFAHREN ZUR HERSTELLUNG EINES VERBUNDKÖRPERS

Title (fr)  
CORPS COMPOSITE ET PROCÉDÉ DE FABRICATION D'UN CORPS COMPOSITE

Publication  
**EP 3781338 A1 20210224 (DE)**

Application  
**EP 19717312 A 20190411**

Priority  
• AT 922018 U 20180420  
• EP 2019059199 W 20190411

Abstract (en)  
[origin: WO2019201724A1] The present invention relates to a composite body consisting of a first part and a second part, and also a transitional zone, which is located between a surface or a region of a surface of the first part and a surface or a region of a surface of the second part and connects the first part to the second part in a material-bonding manner, wherein the first part consists of a boride, a boride cermet, a doped boride or a doped boride cermet, the second part consists of copper or a copper alloy, and the transitional zone comprises Ti and copper and has a melting temperature of > 600 °C. The present invention also describes a method for producing such a composite body.

IPC 8 full level  
**B22F 7/08** (2006.01); **C22C 29/14** (2006.01); **C23C 14/34** (2006.01); **H01J 37/34** (2006.01)

CPC (source: AT EP)  
**A01G 23/099** (2013.01 - EP); **B22F 7/04** (2013.01 - AT); **B22F 7/08** (2013.01 - EP); **B32B 7/04** (2013.01 - AT); **C22C 29/14** (2013.01 - AT EP); **C23C 14/3407** (2013.01 - EP); **C23C 14/3414** (2013.01 - EP)

Citation (search report)  
See references of WO 2019201724A1

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 2019201724 A1 20191024**; AT 16261 U1 20190515; CN 111989179 A 20201124; CN 111989179 B 20230620; EP 3781338 A1 20210224; TW 201943679 A 20191116; TW I786289 B 20221211

DOCDB simple family (application)  
**EP 2019059199 W 20190411**; AT 922018 U 20180420; CN 201980026817 A 20190411; EP 19717312 A 20190411; TW 108113203 A 20190416