

Title (en)

A GREEN BODY COMPOSITION AND FUNCTIONAL GRADIENT MATERIALS PREPARED THEREOF

Title (de)

GRÜNKÖRPERZUSAMMENSETZUNG UND DARAUS HERGESTELLTE FUNKTIONELLE GRADIENTENMATERIALIEN

Title (fr)

COMPOSITION D'ÉBAUCHE CRUE ET MATÉRIAUX À GRADIENT FONCTIONNEL PRÉPARÉS À PARTIR DE CELLE-CI

Publication

**EP 3980389 A4 20230719 (EN)**

Application

**EP 19931520 A 20191104**

Priority

- IN 201931022298 A 20190605
- IB 2019059435 W 20191104

Abstract (en)

[origin: WO2020245645A1] The present invention relates to a green body composition for use in fabrication of functionally gradient materials and metal ceramic composites. The functional gradient materials of the present invention can be machined to a near net shape in the green stage and have applications in biomedical devices, prosthetics and implants, Defense equipment, aerospace, automobile components and the like.

IPC 8 full level

**C04B 41/48** (2006.01); **A61F 2/32** (2006.01); **A61L 27/34** (2006.01); **A61L 27/40** (2006.01); **C04B 35/00** (2006.01); **C04B 35/634** (2006.01)

CPC (source: EP)

**A61F 2/30767** (2013.01); **A61F 2/3094** (2013.01); **A61F 2/32** (2013.01); **A61F 2/34** (2013.01); **A61F 2/36** (2013.01); **A61F 2/3609** (2013.01); **A61F 2/3662** (2013.01); **A61F 2/367** (2013.01); **A61L 27/34** (2013.01); **A61L 27/446** (2013.01); **B22F 1/10** (2022.01); **B22F 1/107** (2022.01); **B22F 3/02** (2013.01); **B22F 3/1017** (2013.01); **B22F 3/1121** (2013.01); **B22F 3/1137** (2013.01); **C04B 35/10** (2013.01); **C04B 35/185** (2013.01); **C04B 35/447** (2013.01); **C04B 35/48** (2013.01); **C04B 35/532** (2013.01); **C04B 35/565** (2013.01); **C04B 35/581** (2013.01); **C04B 35/6263** (2013.01); **C04B 35/62635** (2013.01); **C04B 35/6264** (2013.01); **C04B 35/632** (2013.01); **C04B 35/63416** (2013.01); **C04B 35/6342** (2013.01); **C04B 35/63452** (2013.01); **C04B 38/0615** (2013.01); **A61F 2002/3092** (2013.01); **A61F 2002/3093** (2013.01); **A61F 2002/30968** (2013.01); **A61F 2002/30971** (2013.01); **A61F 2002/30985** (2013.01); **A61F 2002/3611** (2013.01); **A61F 2002/3654** (2013.01); **C04B 2235/6021** (2013.01); **C04B 2235/6026** (2013.01); **C04B 2235/6028** (2013.01); **C04B 2235/612** (2013.01); **C04B 2235/775** (2013.01)

C-Set (source: EP)

**C04B 38/0615** + **C04B 35/00** + **C04B 38/0074**

Citation (search report)

- [Y] US 6030564 A 20000229 - WHITMAN DAVID WILLIAM [US]
- [Y] US 2019016904 A1 20190117 - CONNOR STEPHEN T [US], et al
- [A] US 6344078 B1 20020205 - BEALL DOUGLAS M [US], et al
- See references of WO 2020245645A1

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

DOCDB simple family (publication)

**WO 2020245645 A1 20201210**; EP 3980389 A1 20220413; EP 3980389 A4 20230719

DOCDB simple family (application)

**IB 2019059435 W 20191104**; EP 19931520 A 20191104