

Title (en)
THREE-DIMENSIONAL PRINTED HOT ISOSTATIC PRESSING CONTAINERS AND PROCESSES FOR MAKING SAME

Title (de)
ISOSTATISCHE HEISSPRESSBEHÄLTER MIT 3D-DRUCK UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
RÉCIPIENTS DE PRESSAGE ISOSTATIQUE À CHAUD OBTENUS PAR IMPRESSION TRIDIMENSIONNELLE ET PROCESSUS POUR LEUR FABRICATION

Publication
EP 3057729 A1 20160824 (EN)

Application
EP 14853308 A 20141015

Priority
• US 201361892078 P 20131017
• US 2014060572 W 20141015

Abstract (en)
[origin: WO2015057761A1] Methods are disclosed for making a hot isostatic pressing container for hot isostatic pressing a powder material to form an article comprising three-dimensionally printing the container from a build powder, the container having a cavity for receiving the powder material and an outer section having an outer surface, the cavity having a surface and being shaped and sized so that hot isostatic pressing the container with the powder material within the cavity results in the production of the article. Methods are also disclosed for making the hot isostatically pressed article using the container.

IPC 8 full level
B22F 3/15 (2006.01)

CPC (source: EP US)
B22F 3/1258 (2013.01 - EP US); **B22F 3/1266** (2013.01 - EP US); **B22F 3/15** (2013.01 - US); **B22F 5/10** (2013.01 - EP US); **B22F 10/62** (2021.01 - EP US); **B22F 10/64** (2021.01 - EP US); **C23C 18/1644** (2013.01 - EP US); **C25D 7/04** (2013.01 - EP US); **B22F 10/14** (2021.01 - EP US); **B22F 2003/153** (2013.01 - EP US); **B22F 2003/242** (2013.01 - US); **B22F 2301/15** (2013.01 - US); **B22F 2301/35** (2013.01 - US); **B22F 2302/20** (2013.01 - US); **B22F 2302/253** (2013.01 - US); **B33Y 10/00** (2014.12 - US); **B33Y 80/00** (2014.12 - US); **C23C 4/10** (2013.01 - US); **C23C 4/11** (2016.01 - US); **C23C 18/32** (2013.01 - US); **Y02P 10/25** (2015.11 - EP)

Cited by
EP3094433A4; US10675685B2; EP3094433B1

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 2015057761 A1 20150423; EP 3057729 A1 20160824; EP 3057729 A4 20171018; JP 2016540887 A 20161228; US 2016243621 A1 20160825

DOCDB simple family (application)
US 2014060572 W 20141015; EP 14853308 A 20141015; JP 2016523314 A 20141015; US 201415029097 A 20141015