

Title (en)  
DEVICE FOR HEATING A COMPONENT MATERIAL, ADDITIVE MANUFACTURING INSTALLATION, AND METHOD FOR ADDITIVE MANUFACTURING

Title (de)  
VORRICHTUNG ZUM ERWÄRMEN EINES BAUTEILMATERIALS, ADDITIVE HERSTELLUNGSANLAGE UND VERFAHREN ZUR ADDITIVEN HERSTELLUNG

Title (fr)  
DISPOSITIF DE CHAUFFAGE D'UN MATÉRIAU DE COMPOSANT, INSTALLATION DE FABRICATION ADDITIVE ET PROCÉDÉ DE FABRICATION ADDITIVE

Publication  
**EP 3740381 A1 20201125 (DE)**

Application  
**EP 19726914 A 20190506**

Priority  
• DE 102018208400 A 20180528  
• EP 2019061488 W 20190506

Abstract (en)  
[origin: WO2019228755A1] A device (300) for selectively heating a component material (P) for the additive, in particular powder-bed-based, manufacturing of a component (10) is specified. The device comprises a platform (200) with an, in particular inductive, heating head (L), and comprises a suspension means (201), which bears the platform (200) and which is designed to move the platform (200) in controlled fashion along three perpendicular spatial directions (X, Y, Z) within a building space (AR) of an additive manufacturing installation (100). Also specified is an additive manufacturing installation (100) comprising the device (300), and a corresponding method for additive manufacturing.

IPC 8 full level  
**B33Y 30/00** (2015.01); **B22F 1/142** (2022.01); **B22F 3/105** (2006.01); **B29C 64/153** (2017.01); **B29C 64/227** (2017.01); **B29C 64/245** (2017.01); **B29C 64/295** (2017.01)

CPC (source: EP US)  
**B22F 1/142** (2022.01 - EP US); **B22F 10/28** (2021.01 - EP US); **B22F 10/362** (2021.01 - EP US); **B22F 12/13** (2021.01 - EP US); **B22F 12/22** (2021.01 - EP US); **B29C 64/153** (2017.08 - EP); **B29C 64/227** (2017.08 - EP); **B29C 64/245** (2017.08 - EP); **B29C 64/295** (2017.08 - EP); **B33Y 10/00** (2014.12 - EP); **B33Y 30/00** (2014.12 - EP US); **B33Y 40/10** (2020.01 - EP); **B22F 5/009** (2013.01 - EP); **B22F 5/04** (2013.01 - EP); **B22F 10/32** (2021.01 - EP US); **B22F 12/70** (2021.01 - EP US); **B22F 12/90** (2021.01 - EP US); **B22F 2999/00** (2013.01 - EP); **Y02P 10/25** (2015.11 - EP)

C-Set (source: EP US)  
**B22F 2999/00 + B22F 12/13 + B22F 2202/07**

Citation (examination)  
• DE 102012206122 A1 20131017 - MTU AERO ENGINES AG [DE]  
• EP 1968355 A1 20080910 - HUETTINGER ELEKTRONIK GMBH [DE]  
• See also references of WO 2019228755A1

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)  
**DE 102018208400 A1 20191128**; CN 112203858 A 20210108; EP 3740381 A1 20201125; WO 2019228755 A1 20191205

DOCDB simple family (application)  
**DE 102018208400 A 20180528**; CN 201980036158 A 20190506; EP 19726914 A 20190506; EP 2019061488 W 20190506