

Title (en)

POWDER-BASED ADDITIVE MANUFACTURING UNIT COMPRISING A BRUSH CLEANING DEVICE

Title (de)

PULVERBASIERTE GENERATIVE FERTIGUNGSEINHEIT MIT EINER BÜRSTENREINIGUNGSVORRICHTUNG

Title (fr)

INSTALLATION DE FABRICATION ADDITIVE A BASE DE POUDRE A DISPOSITIF DE NETTOYAGE PAR BROSSAGE

Publication

**EP 3538297 A1 20190918 (FR)**

Application

**EP 17800917 A 20171109**

Priority

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Abstract (en)

[origin: WO2018087475A1] The invention relates to a powder-based additive manufacturing unit (10) comprising a device (14) for layering the powder, which can be moved along a path connecting a start zone (A) and an end zone (B). The layering device (14) comprises powder-smoothing means (35) for depositing the powder in a powder deposition zone (P) located between the start zone (A) and the end zone (B). The unit (10) also comprises a cleaning device (60) located on the path of the layering device (14), said cleaning device (60) comprising a brush device (62) for brushing at least one surface of the powder-smoothing means (35).

IPC 8 full level

**B22F 3/105** (2006.01); **B08B 1/00** (2006.01); **B33Y 30/00** (2015.01)

CPC (source: EP KR US)

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Citation (examination)

- WO 2017196323 A1 20171116 - HEWLETT PACKARD DEVELOPMENT CO LP [US]
- JP 2016055625 A 20160421 - RICOH CO LTD
- See also references of WO 2018087475A1

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