

Title (en)

METHOD FOR PRODUCING AN ALUMINIUM ALLOY PART

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ALUMINIUMLEGIERUNGSTEILS

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE EN ALLIAGE D'ALUMINIUM

Publication

**EP 4149702 A2 20230322 (FR)**

Application

**EP 21731239 A 20210510**

Priority

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Abstract (en)

[origin: WO2021156583A2] The invention relates to a method for producing a part, comprising the production of successive solid metallic layers (201...20n), each layer being produced by depositing a metal (25) called filler metal, and said method being characterized in that the part has a specific grain structure. The invention also relates to a part obtained by means of this method and an alternative method. The alloy used in the additive manufacturing method of the invention makes it possible to obtain parts with exceptional properties.

IPC 8 full level

**B22F 1/05** (2022.01); **B22F 3/105** (2006.01); **B22F 10/28** (2021.01); **B33Y 10/00** (2015.01); **B33Y 40/20** (2020.01); **B33Y 70/00** (2015.01); **B33Y 80/00** (2015.01); **C22C 1/04** (2006.01); **C22C 21/00** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

See references of WO 2021156583A2

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DOCDB simple family (publication)

**WO 2021156583 A2 20210812**; **WO 2021156583 A3 20211021**; CA 3171031 A1 20210812; CN 115551659 A 20221230; DE 21731239 T1 20230601; EP 4149702 A2 20230322; FR 3110095 A1 20211119; FR 3110095 B1 20221111; JP 2023525784 A 20230619; KR 20230010034 A 20230117; US 2023191489 A1 20230622

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