

Title (en)

Process of manufacturing a casting with a marking, casted part and group of castings

Title (de)

Verfahren zur Herstellung eines gegossenen Bauteils mit einer Markierung, ein Bauteil und eine Gruppe von Bauteilen

Title (fr)

Procédé de fabrication d'une pièce coulée avec marquage, pièce coulée et groupe de pièces coulées

Publication

EP 1927416 A1 20080604 (DE)

Application

EP 06023921 A 20061117

Priority

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Abstract (en)

The procedure for the production of cast component (7) such as columnar hardened structure or crystalline structure with marker (7) having a stationary logo (10) and an identification marking, comprises introducing the identification marking in a turbine shovel in the root area through laser process or electrical discharge machining process. The component is poured off in a casting process. The logo is cast in the component during the casting. The material is applied on the component for the identification number, which is highly produced from the surface around the marker. The procedure for the production of cast component (7) such as columnar hardened structure or crystalline structure with marker (7) having a stationary logo (10) and an identification marking, comprises introducing the identification marking in a turbine shovel in the root area through laser process or electrical discharge machining process. The component is poured off in a casting process. The logo is cast in the component during the casting. The material is applied on the component for the identification number, which is highly produced from the surface around the marker. The logo is deeply poured from a surface around the logo. Nickel or cobalt based super alloy is used for the component. An independent claim is included for a component(s) produced by casting process.

Abstract (de)

Die Erfindung beschreibt ein Verfahren zur Herstellung eines gegossenen Bauteils (7, 120, 130), bei dem ein feststehendes Logo (10) beim Gießen hergestellt wird und eine Identifikationskennzeichnung (13) des Bauteils (7, 120, 130) erst nach dem Gießen eingebracht wird.

IPC 8 full level

B22D 46/00 (2006.01); **G09F 3/02** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XY] US 2005285440 A1 20051229 - BAL PUSHPIINDER S [US]
- [A] JP H07108343 A 19950425 - ITANI ALUM KK
- [Y] JP 2003184509 A 20030703 - MITSUBISHI HEAVY IND LTD
- [YD] DE 10207279 A1 20021024 - HOWMET RES CORP [US]
- [E] EP 1738874 A2 20070103 - UNITED TECHNOLOGIES CORP [US]
- [X] ANONYM: "Mark'n Read? for aerospace industry", INTERNET ARTIKEL, 22 May 2006 (2006-05-22), XP002425988, Retrieved from the Internet <URL:http://web.archive.org/web/20060522132330/http://www.technifor.com/htm/mrsolut/applications.htm> [retrieved on 20070321]
- [A] ANONYM: "ALUMINIUM REINIGUNGSDECKEL (DIN 24339)", INTERNET ARTIKEL, 11 October 2004 (2004-10-11), XP002425989, Retrieved from the Internet <URL:www.hbe-hydraulik.de/deutsch/pdf/hbe_rein.pdf> [retrieved on 20070321]
- [A] ANONYM: "HBE KATALOG ÖLBEHÄLTER ALUMINIUM", INTERNET ARTIKEL, October 2006 (2006-10-01), XP002425990, Retrieved from the Internet <URL:www.e-holding.de/downloads/hbe_aluoelbehaelter_de-en_1006.pdf> [retrieved on 20070321]

Cited by

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Designated contracting state (EPC)

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