

Title (en)

Lost pattern casting process and apparatus for the execution of this process

Title (de)

Giessverfahren mit verlorenem Modell und Vorrichtung zur Durchführung dieses Verfahren

Title (fr)

Procede de moulage à modèle perdu et installation pour la mise en oeuvre de ce procede

Publication

**EP 2357049 B1 20141119 (FR)**

Application

**EP 10196190 A 20101221**

Priority

FR 1050326 A 20100119

Abstract (en)

[origin: EP2357049A1] The lost wax casting process comprises placing models made of a sublimating material in a container, spreading sand over the models, and forming a hole in the models and then pouring a liquid metal into the hole. The models are placed in an enclosure having a specific element to cool surfaces of the model. The model or cluster is placed in the enclosure to an assembly station and then transferred to a tank using an insertion unit. The enclosure is pre-positioned in contact with the container, and when the enclosure receives the cluster, the cluster is separated from the enclosure. The lost wax casting process comprises placing models made of a sublimating material in a container, spreading sand over the models, and forming a hole in the models and then pouring a liquid metal into the hole. The models are placed in an enclosure having a specific element to cool surfaces of the model. The model or cluster is placed in the enclosure to an assembly station and then transferred to a tank using an insertion unit. The enclosure is pre-positioned in contact with the container, and when the enclosure receives the cluster, the cluster is separated from the enclosure by a specific mechanism. The enclosure or model assembly is kept in suspension in the container without contact with each other. An independent claim is included for an installation for molding a waste model.

IPC 8 full level

**B22C 7/02** (2006.01); **B22C 9/04** (2006.01); **B22C 13/08** (2006.01); **B22D 15/00** (2006.01)

CPC (source: EP)

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Cited by

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**FR 2955274 A1 20110722; FR 2955274 B1 20120106; EP 2357049 A1 20110817; EP 2357049 B1 20141119**

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