

Title (en)

Method for coating a pattern, device for implementing this method and application to the coating of foundry lost-wax patterns

Title (de)

Beschichtungsverfahren eines Modells, Vorrichtung zur Durchführung dieses Verfahrens und Anwendung der Beschichtung von verlorenen Modellen im Gießereibetrieb

Title (fr)

Procédé d'enduction d'un modèle, dispositif pour la mise en oeuvre de ce procédé et application à l'enduction de modèles perdus de fonderie

Publication

**EP 2052799 A1 20090429 (FR)**

Application

**EP 08166779 A 20081016**

Priority

FR 0758570 A 20071025

Abstract (en)

The process for coating a damaged foundry model (10) in a bath, comprises disposing the model in a maintenance casing comprising bars (21) that parallelly extend along a longitudinal axis of the casing, immersing the casing in the bath, and printing a predetermined movement at the casing. The model is immersed by simultaneous rotation of the casing around the longitudinal axis and by holding the casing in a horizontal position of the longitudinal axis. Total time for the immersion of model is 15-30 seconds. The model removed from the coating bath is subjected to draining. The process for coating a damaged foundry model (10) in a bath, comprises disposing the model in a maintenance casing comprising bars (21) that parallelly extend along a longitudinal axis of the casing, immersing the casing in the bath, and printing a predetermined movement at the casing. The model is immersed by simultaneous rotation of the casing around the longitudinal axis and by holding the casing in a horizontal position of the longitudinal axis. Total time for the immersion of model is 15-30 seconds. The model removed from the coating bath is subjected to draining and simultaneously to succession of rotation and detention. The model has a flow nozzle that is protected by a mask. The placement of the model in the casing and displacement of the model from the casing are carried out using an automaton. An independent claim is included for a device for coating a damaged foundry model in a bath.

Abstract (fr)

L'invention concerne un procédé d'enduction d'un modèle dans un bain d'enduction. Selon l'invention, on dispose le modèle (10) dans une cage de maintien (20), on immerge la cage dans le bain et on imprime un mouvement prédéterminé à la cage. L'invention concerne également un dispositif pour la mise en oeuvre du procédé d'enduction et l'application de ce procédé à l'enduction par un liant réfractaire de modèles perdus de fonderie.

IPC 8 full level

**B22C 9/04** (2006.01); **B22C 23/02** (2006.01)

CPC (source: EP)

**B22C 9/046** (2013.01); **B22C 23/02** (2013.01)

Citation (applicant)

- JP H067888 B2 19940202
- CA 1258207 A 19890808 - OUTBOARD MARINE CORP

Citation (search report)

- [XA] JP H067888 A 19940118 - AISIN TAKAOKA LTD
- [X] CA 1258207 A 19890808 - OUTBOARD MARINE CORP

Cited by

FR3058336A1; FR2990370A1; CN104302421A; US9579715B2; WO2013171422A1; EP2949409A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2052799 A1 20090429**; FR 2922792 A1 20090501; FR 2922792 B1 20100115

DOCDB simple family (application)

**EP 08166779 A 20081016**; FR 0758570 A 20071025