

Title (en)

METHOD OF MANUFACTURING PRECISION CAST PARTS FOR VEHICLE EXHAUST SYSTEMS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON PRÄZISIONSGUSSTEILEN FÜR FAHRZEUGABGASSYSTEME

Title (fr)

PROCÉDÉ DE FABRICATION DE PIÈCES COULÉES DE PRÉCISION POUR SYSTÈMES D'ÉCHAPPEMENT DE VÉHICULE

Publication

EP 3135399 A1 20170301 (EN)

Application

EP 15195578 A 20151120

Priority

KR 20150122677 A 20150831

Abstract (en)

A method of manufacturing precision cast parts for vehicle exhaust systems includes fabricating a model of a product to be manufactured using a substance selected from the group consisting of a wax and a plastic, forming a first coating layer on a surface of the model using a first slurry, forming a second coating layer on the surface of the model coated with the first coating layer using a second slurry, drying the first and second coating layers to form a mold and heating the mold to remove the model, pre-heating the mold, placing the mold in a ceramic box with a top portion open, and filling an inner part of the ceramic box with ceramic balls, and producing a product by injecting a molten metal into the mold to cast the product.

IPC 8 full level

B22C 9/04 (2006.01); **B22C 1/16** (2006.01); **B22C 7/02** (2006.01); **B22C 9/02** (2006.01); **B22D 27/15** (2006.01)

CPC (source: CN EP US)

B22C 1/165 (2013.01 - EP US); **B22C 3/00** (2013.01 - CN EP US); **B22C 7/02** (2013.01 - EP US); **B22C 7/023** (2013.01 - EP US); **B22C 9/02** (2013.01 - EP US); **B22C 9/04** (2013.01 - CN EP US); **B22C 9/12** (2013.01 - EP US); **B22C 9/22** (2013.01 - EP US); **B22D 17/02** (2013.01 - EP US); **B22D 25/02** (2013.01 - EP US); **B22D 27/15** (2013.01 - EP US)

Citation (search report)

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- [A] WO 9925511 A1 19990527 - CASTINGS DEV CENTRE [GB], et al
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Cited by

CN111545708A

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3135399 A1 20170301; **EP 3135399 B1 20190522**; CN 106475520 A 20170308; CN 106475520 B 20210209; KR 101755832 B1 20170710; KR 20170026890 A 20170309; US 2017056969 A1 20170302

DOCDB simple family (application)

EP 15195578 A 20151120; CN 201510845473 A 20151126; KR 20150122677 A 20150831; US 201514946046 A 20151119