

Title (en)  
CASTING CORE AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
GIESSKERN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)  
NOYAU DE COULÉE ET PROCÉDÉ DE PRODUCTION S'Y RAPPORTANT

Publication  
**EP 3600718 B1 20200916 (DE)**

Application  
**EP 18721843 A 20180328**

Priority

- DE 102017106775 A 20170329
- IB 2018000316 W 20180328

Abstract (en)  
[origin: WO2018178762A1] The present invention relates to a casting core (1), which has the basic form of a hollow body, wherein the casting core (1) is formed from a moulding material which consists of a mixture that is formed from a moulding sand and a binder as well as optionally additives that are added to adjust its properties, and relates to a method for the production thereof. The casting core (1) according to the invention can be produced in an easy way. This is achieved by the casting core (1) being divided into at least two subsegments (9-17) and by moulding elements (28a-30b) which interact with one another in a form-fitting manner and by means of which the subsegments (9-17) arranged adjacent to one another are fixed immovably with respect to one another, at least in one direction (LR.UR), by a form fit being provided at the peripheral sides with which subsegments (9-17) that are arranged adjacent to one another butt against one another, or being provided in the vicinity of these peripheral sides.

IPC 8 full level  
**B22C 9/10** (2006.01); **B22C 21/14** (2006.01)

CPC (source: EP KR US)  
**B22C 9/103** (2013.01 - EP KR US); **B22C 9/108** (2013.01 - EP KR US); **B22C 21/14** (2013.01 - EP KR)

Cited by  
WO2023248170A1; LU502349B1

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

DOCDB simple family (publication)  
**WO 2018178762 A1 20181004**; CN 110461499 A 20191115; CN 110461499 B 20210129; DE 102017106775 A1 20181004; EP 3600718 A1 20200205; EP 3600718 B1 20200916; JP 2020512937 A 20200430; JP 6677862 B1 20200408; KR 102162930 B1 20201008; KR 20190128718 A 20191118; MX 2019011689 A 20191128; US 10843255 B2 20201124; US 2020316677 A1 20201008; ZA 201906398 B 20230531

DOCDB simple family (application)  
**IB 2018000316 W 20180328**; CN 201880021596 A 20180328; DE 102017106775 A 20170329; EP 18721843 A 20180328; JP 2019552952 A 20180328; KR 20197031561 A 20180328; MX 2019011689 A 20180328; US 201816497170 A 20180328; ZA 201906398 A 20190927