

Title (en)

METHOD FOR PRODUCING SALT CORE FOR CASTING

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES SALZKERNS FÜR EINEN GIESSKÖRPER

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN NOYAU DE SEL POUR COULAGE

Publication

EP 2425910 A1 20120307 (EN)

Application

EP 10769833 A 20100430

Priority

- JP 2010057690 W 20100430
- JP 2009111878 A 20090501
- JP 2009131307 A 20090529

Abstract (en)

First, a melt is formed by heating a salt mixture (S101). Next, a mold for core molding is heated to a temperature higher than $0.52 \times T_m$ and lower than $0.7 \times T_m$ (S102). Note that T_m represents the liquidus temperature of the salt mixture as an absolute temperature (K). Then, the melt is poured under pressure into the mold heated as described above (S103). A salt core for casting is molded by solidifying the melt inside the mold (S104).

IPC 8 full level

B22C 9/10 (2006.01); **B22C 13/12** (2006.01); **B22D 17/00** (2006.01)

CPC (source: EP US)

B22C 9/105 (2013.01 - EP US)

Citation (search report)

See references of WO 2010126135A1

Cited by

EP2647451A1; CN105798308A; CN104703725A; DE102012217939A1; WO2014053414A1; WO2018055424A1; US11305374B2

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2425910 A1 20120307; JP 2010279951 A 20101216; JP 5419549 B2 20140219; US 2012048502 A1 20120301; WO 2010126135 A1 20101104

DOCDB simple family (application)

EP 10769833 A 20100430; JP 2009131307 A 20090529; JP 2010057690 W 20100430; US 201013318386 A 20100430