

Title (en)

CRUCIBLE FOR USE IN A DIRECTIONAL SOLIDIFICATION FURNACE

Title (de)

TIEGEL ZUR VERWENDUNG IN EINEM OFEN MIT GERICHTETER VERFESTIGUNG

Title (fr)

CREUSET POUR UTILISATION DANS UN FOUR À SOLIDIFICATION DIRECTIONNELLE

Publication

**EP 2529043 A1 20121205 (EN)**

Application

**EP 11705697 A 20110128**

Priority

- US 29913310 P 20100128
- IB 2011050392 W 20110128

Abstract (en)

[origin: US2011180229A1] A directional solidification furnace comprises a crucible assembly including a crucible for containing a melt having walls and a base with an opening therein, a crucible support for supporting the crucible, and a lid covering the crucible. A plate is received in the opening in the base. The plate has a higher thermal conductivity than that of the base. The base can include a composite having an additive such that the composite base has a higher thermal conductivity than a comparable without the additive.

IPC 8 full level

**C30B 11/00** (2006.01)

CPC (source: EP KR US)

**C30B 11/00** (2013.01 - KR); **C30B 11/002** (2013.01 - EP US); **C30B 11/003** (2013.01 - EP US); **C30B 15/10** (2013.01 - KR); **C30B 35/00** (2013.01 - KR)

Citation (search report)

See references of WO 2011092659A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**US 201113014932 A 20110127**; CN 201180007764 A 20110128; EP 11705697 A 20110128; IB 2011050392 W 20110128; JP 2012550554 A 20110128; KR 20127022328 A 20110128; TW 100103495 A 20110128