

Title (en)

COOLING ELEMENT FOR A MELTING FURNACE

Title (de)

KÜHLELEMENT FÜR EINEN SCHMELZOFEN

Title (fr)

ÉLÉMENT DE REFROIDISSEMENT POUR UN FOUR DE FUSION

Publication

EP 2825677 B1 20181107 (DE)

Application

EP 13714540 A 20130222

Priority

- DE 102012004868 A 20120313
- DE 2013000096 W 20130222

Abstract (en)

[origin: WO2013135221A1] The invention relates to a cooling element for a melting furnace having a cover plate (2) and at least one cooling pipe (3) fastened to the cover plate (2), wherein the at least one cooling pipe (3) comprises a bead (4) on the face thereof that faces the cover plate (2), via which bead said pipe is connected to the cover plate (2).

IPC 8 full level

C21B 7/10 (2006.01); **F27B 3/24** (2006.01); **F27D 1/12** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)

F27D 1/12 (2013.01); **C21B 7/10** (2013.01); **F27D 2009/0062** (2013.01)

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 2013135221 A1 20130919; DE 102012004868 A1 20130919; EP 2825677 A1 20150121; EP 2825677 B1 20181107; TR 201901030 T4 20190221

DOCDB simple family (application)

DE 2013000096 W 20130222; DE 102012004868 A 20120313; EP 13714540 A 20130222; TR 201901030 T 20130222