

Title (en)

METHOD FOR PRODUCING A COOLING ELEMENT FOR PYROMETALLURGICAL REACTOR AND THE COOLING ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KÜHLELEMENTS FÜR EINEN PYROMETALLURGISCHEN REAKTOR UND KÜHLELEMENT

Title (fr)

PROCÉDÉ POUR PRODUIRE UN ÉLÉMENT DE REFROIDISSEMENT POUR UN RÉACTEUR PYROMÉTALLURGIQUE ET ÉLÉMENT DE REFROIDISSEMENT

Publication

EP 2370603 A1 20111005 (EN)

Application

EP 08879274 A 20081229

Priority

FI 2008050791 W 20081229

Abstract (en)

[origin: WO2010076368A1] Cooling element (2) for pyrometallurgical reactors and method of manufacturing the element, the element comprising a body (4) having at least one cooling channel (5) within, the direction of the cooling channel determining the lengthwise direction of the element (2). In the element there is at least one attachment groove (6) on one surface of the element (2) for attaching refractory tiles to the element and a passage (7) for cooling fluid into at least one cooling channel (5). At least one attachment groove (6) runs parallel to at least one cooling channel (5) and at least the surface opposite to the surface wherein the attachment groove (6) is made is continuously and evenly curved in direction crosswise to the cooling channels.

IPC 8 full level

C21B 7/10 (2006.01)

CPC (source: EP)

C21B 7/10 (2013.01); **F27D 1/12** (2013.01); **F27D 9/00** (2013.01); **C21C 5/4646** (2013.01)

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2010076368 A1 20100708; EP 2370603 A1 20111005; EP 2370603 A4 20170517; RU 2011124544 A 20130210; RU 2487946 C2 20130720; ZA 201104065 B 20120229

DOCDB simple family (application)

FI 2008050791 W 20081229; EP 08879274 A 20081229; RU 2011124544 A 20081229; ZA 201104065 A 20110601