

Title (en)

Arch brick for the cylindrical inner lining of a rotary drum furnace and rotary drum furnace

Title (de)

Wölbstein zylinderförmiger inneren Auskleidung eines Drehrohrofens und Drehrohrföfen

Title (fr)

Brique de voûte pour le revêtement intérieur cylindrique d'un four rotatif et four rotatif

Publication

EP 2784421 A1 20141001 (DE)

Application

EP 13161360 A 20130327

Priority

EP 13161360 A 20130327

Abstract (en)

The brick has a planar-shaped separation surface running at an angle (alpha) greater than 20 degrees with respect to a base surface (AG asterisk). Trapezoidal shaped brick sections (10, 12) include two outer surfaces (RS2), which are located opposite to one another. The outer surfaces located opposite to one another are equal in size, where the arch brick conforms to DIN1082-4 standard and stretches along the separation surface, which stretches from the base surface to trapezoidal-shaped front surfaces (TS1 asterisk, TS2) or towards another base surface (IG asterisk).

Abstract (de)

Die Erfindung betrifft einen Wölbstein (english: arch brick) gemäß DIN1082-4, Ausgabe Januar 2007, eine zylinderförmige innere Auskleidung eines Drehrohrofens (english: cylindrical inner lining of a rotary kiln), wobei die Auskleidung diese Wölbsteine enthält und einen Drehrohrföfen mit der Auskleidung und den Wölbsteinen.

IPC 8 full level

F27B 7/28 (2006.01); **F27D 1/00** (2006.01); **F27D 1/04** (2006.01); **F27D 1/06** (2006.01)

CPC (source: EP RU US)

F27B 7/28 (2013.01 - EP RU US); **F27D 1/0006** (2013.01 - EP US); **F27D 1/04** (2013.01 - EP US); **F27D 1/045** (2013.01 - EP US); **F27D 1/06** (2013.01 - EP US); **F27D 2001/047** (2013.01 - US)

Citation (applicant)

- DE 2643412 A1 19770414 - VEITSCHER MAGNESITWERKE AG
- DE 29921607 U1 20000224 - REFRATECHNIK HOLDING GMBH & CO [DE]

Citation (search report)

- [I] DE 2315898 A1 19741010 - DOLOMITWERKE GMBH
- [I] US 6309211 B1 20011030 - DOCK NEIL R [US], et al
- [A] CN 201852430 U 20110601 - XINXING ENERGY EQUIPMENT CO
- [A] US 4015929 A 19770405 - KAMSTRUP-LARSEN HARRY
- [A] CN 102788497 A 20121121 - BO HOU
- [A] US 2012282563 A1 20121108 - FILIUS JOEL R [US]

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CN110411222A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2784421 A1 20141001; **EP 2784421 B1 20160203**; BR 112015011539 A2 20170711; BR 112015011539 B1 20190709; CN 104813128 A 20150729; CN 104813128 B 20170322; ES 2564757 T3 20160328; MX 2015006903 A 20150908; MX 340425 B 20160708; PL 2784421 T3 20160630; RU 2015120690 A 20170512; RU 2670821 C2 20181025; RU 2670821 C9 20181128; US 2015308745 A1 20151029; WO 2014154364 A1 20141002

DOCDB simple family (application)

EP 13161360 A 20130327; BR 112015011539 A 20140106; CN 201480003305 A 20140106; EP 2014050068 W 20140106; ES 13161360 T 20130327; MX 2015006903 A 20140106; PL 13161360 T 20130327; RU 2015120690 A 20140106; US 201414648487 A 20140106