

Title (en)

CHAMBER SETTING WITH IMPROVED EXPANSION JOINTS AND BRICKS FOR MAKING SAME

Title (de)

KAMMERANORDNUNG MIT VERBESSERTEN DEHNUNGSFUGEN UND ZIEGEL ZU DEREN HERSTELLUNG

Title (fr)

FOUR A CHAMBRES AVEC DES JOINTS DE DILATATION AMELIORES ET BRIQUES DESTINEES A SA REALISATION

Publication

EP 1907780 B1 20080910 (FR)

Application

EP 06778845 A 20060710

Priority

- FR 2006001675 W 20060710
- FR 0507455 A 20050712

Abstract (en)

[origin: WO2007006962A2] The invention concerns rotating fire furnaces whereof at least one of the inner partitions is formed of a plurality of refractory material bricks including at least one first brick (15a) and one second brick (15b) placed above or beneath a third brick (15c) and separated from each other by a space (13, 14) of width J, wherein the first brick (15a) comprises at least one recess (158d, 158'd) on its assembling surface opposite the third brick (15c), the third brick (15c) comprises at least one protuberance (155d, 155'd) on its assembling face opposite the first brick (15a), the protuberance being engaged in the recess, the dimension E of said recess (158d) in the longitudinal direction of the partition is greater than the dimension B of said first protuberance (155d) in the same direction, and said recess (158d) is spaced apart by a specific distance (Se) from the end surface (152) adjacent said space (13, 14). The invention enables some bricks to be slid on one another, while the cohesion and the strength of the partition are maintained, during the movements caused by expansion and contraction of the bricks.

IPC 8 full level

F27B 13/06 (2006.01); **F27B 13/10** (2006.01); **F27D 1/00** (2006.01)

CPC (source: EP US)

F27B 13/06 (2013.01 - EP US); **F27B 13/10** (2013.01 - EP US); **F27D 1/0023** (2013.01 - EP US); **F27D 1/04** (2013.01 - EP US); **F27D 1/042** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

BA

DOCDB simple family (publication)

FR 2888633 A1 20070119; **FR 2888633 B1 20091204**; AR 055350 A1 20070822; AT E408109 T1 20080915; AU 2006268489 A1 20070118; AU 2006268489 B2 20110210; BR PI0612877 A2 20101130; BR PI0612877 B1 20200317; CA 2614453 A1 20070118; CA 2614453 C 20150113; DE 602006002752 D1 20081023; EA 012996 B1 20100226; EA 200800293 A1 20080630; EG 25134 A 20110918; EP 1907780 A2 20080409; EP 1907780 B1 20080910; EP 1907780 B9 20090812; ES 2311285 T3 20090201; SI 1907780 T1 20090228; US 2009126306 A1 20090521; US 8069628 B2 20111206; WO 2007006962 A2 20070118; WO 2007006962 A3 20070215; ZA 200800900 B 20090826

DOCDB simple family (application)

FR 0507455 A 20050712; AR P060102961 A 20060710; AT 06778845 T 20060710; AU 2006268489 A 20060710; BR PI0612877 A 20060710; CA 2614453 A 20060710; DE 602006002752 T 20060710; EA 200800293 A 20060710; EG 2008010065 A 20080113; EP 06778845 A 20060710; ES 06778845 T 20060710; FR 2006001675 W 20060710; SI 200630139 T 20060710; US 99548606 A 20060710; ZA 200800900 A 20060710