

Title (en)

Fixation device for refractory supporting blocks for tunnel kiln cars

Title (de)

Befestigungsvorrichtung für ein keramisches Tragelement eines Tunnelofenwagen

Title (fr)

Dispositif de fixation d'un bloc support céramique pour un wagon de four tunnel

Publication

EP 1380803 B1 20060816 (EN)

Application

EP 03380164 A 20030708

Priority

ES 200201788 U 20020711

Abstract (en)

[origin: EP1380803A1] Fixation device (1) for ceramic refractory supporting blocks (2), for tunnel kiln cars, characterized by comprising several fixation parts (3) adapted to fit into complementary holes or notches (4), made in corresponding contiguous blocks. The assembled contiguous blocks are prevented from doing movement and/or turn relatively big allowing the differential thermal expansions of the assembled material.
<IMAGE>

IPC 8 full level

F27D 3/12 (2006.01); **F27D 1/14** (2006.01); **F27D 5/00** (2006.01)

CPC (source: EP)

F27D 1/145 (2013.01); **F27D 3/123** (2013.01); **F27D 5/0006** (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1380803 A1 20040114; EP 1380803 B1 20060816; AT E336703 T1 20060915; DE 60307558 D1 20060928; DE 60307558 T2 20061207;
ES 1052336 U 20021201; ES 1052336 Y 20030401; ES 2269954 T3 20070401; PT 1380803 E 20061229

DOCDB simple family (application)

EP 03380164 A 20030708; AT 03380164 T 20030708; DE 60307558 T 20030708; ES 03380164 T 20030708; ES 200201788 U 20020711;
PT 03380164 T 20030708