

Title (en)

REFRACTORY INNER LAYER FOR INDUSTRIAL FURNACES

Title (de)

FEUERFESTE INNENSCHICHT FÜR INDUSTRIEÖFEN

Title (fr)

COUCHE INTÉRIEURE RÉFRACTAIRE POUR FOURS INDUSTRIELS

Publication

**EP 2841862 A2 20150304 (DE)**

Application

**EP 13719788 A 20130424**

Priority

- DE 102012103748 A 20120427
- EP 2013058468 W 20130424

Abstract (en)

[origin: WO2013160339A2] The invention relates to a wall element (3a) of a refractory inner layer (3) for an industrial furnace wall (2) provided with a middle layer (4), and relates to a wall part (4a) of an inner layer (3) comprising a side A3, 14, which has a surface normal N, can be made to face the middle layer (4) or inner layer (3) and has a thickness of the height d, and comprising an inner side (13), which is arranged opposite the rear side A3, wherein at least one tenon (3.1, 4.1), extending in the direction R of the surface normal N, or at least one mortise (3.1, 4.1), extending in the direction R of the surface normal N, is provided on the side A3, 14, which tenon/mortise can be brought into an interlocking engagement F, acting at right angles to the surface normal N with a mortise (4.1, 3.1) or a tenon (4.1, 3.1) of a middle layer (4) or inner layer (3). The invention also relates to a protective lining (1) for an industrial furnace wall (2) comprising a refractory inner layer (3) and a middle layer (4) arranged between the inner layer (3) and the industrial furnace wall (2).

IPC 8 full level

**F27D 1/00** (2006.01); **F27D 1/14** (2006.01)

CPC (source: EP)

**F27D 1/0006** (2013.01); **F27D 1/004** (2013.01); **F27D 1/14** (2013.01)

Citation (search report)

See references of WO 2013160339A2

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)

**WO 2013160339 A2 20131031; WO 2013160339 A3 20131219; WO 2013160339 A4 20140220**; DE 102012103748 A1 20131031;  
DE 102012103748 B4 20181129; EP 2841862 A2 20150304; EP 2841862 B1 20180829

DOCDB simple family (application)

**EP 2013058468 W 20130424**; DE 102012103748 A 20120427; EP 13719788 A 20130424