

Title (en)

Refractory lining for walls and shaped brick therefor.

Title (de)

Feuerfeste Auskleidung von Wänden und Formstein hierfür.

Title (fr)

Garnissage réfractaire pour parois et briques profilée pour celui-ci.

Publication

EP 0635678 A1 19950125 (DE)

Application

EP 94103545 A 19940309

Priority

DE 4324423 A 19930721

Abstract (en)

[origin: DE4324423C1] Fire resistant tile cladding for a pipe-carrying furnace wall, where the wall-side surface of the tiles is provided with recesses for the pipes and being novel in that the tiles (5) each have two opposite edges (8, 9) provided with bevels (10) forming steep angles (a) with the wall-side surface (6) of the tiles (5), and that between the bevels (10) on adjacent tiles a wedge-shaped fillet (14) is set in, which tapers towards the wall (1) fitting against the bevels (10) and which is fastened to the wall holding the tiles (5) on the wall (1). USE/ADVANTAGE - Protection of walls with adjacent run boiler water tubes from direct flame impingement/corrosion by refractory cladding, e.g. in furnace chamber of a rubbish incinerator. Improved furnace lining fixing technique, with reduced tendency for cracking of the brittle (e.g. ceramic) tiles by over-tightening against the wall during fitting, tube expansion effects during use, etc.

Abstract (de)

Bei einer feuerfesten Auskleidung von Wänden eines Feuerraums soll die Montage und die Befestigung von Formsteinen (5) verbessert werden. Die Formsteine (5) sind an jeweils zwei gegenüberliegenden Rändern (8,9) mit Schrägen (10) versehen. Zwischen die Schrägen benachbarter Formsteine (5) ist eine keilförmige Leiste (14) eingesetzt, die sich zur Wand (1) verjüngt, an den Schrägen (10) anliegt und an der Wand befestigt die Formsteine (5) an der Wand (1) hält. <IMAGE>

IPC 1-7

F23M 5/04; **F23M 5/08**; **F27D 1/12**

IPC 8 full level

F22B 37/10 (2006.01); **F23M 5/04** (2006.01); **F23M 5/08** (2006.01); **F27D 1/12** (2006.01); **F28F 19/02** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] GB 362342 A 19311126 - AMERICAN ENG CO LTD
- [Y] GB 360549 A 19311112 - AMERICAN ENG CO LTD
- [A] GB 1591331 A 19810617 - WFJ REFRACTORIES LTD

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US9321690B2

Designated contracting state (EPC)

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DE 4324423 C1 19940428; EP 0635678 A1 19950125

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