

Title (en)

Support for monolithically lined furnace walls

Title (de)

Haltevorrichtung für monolithisch ausgekleidete Ofenwände

Title (fr)

Dispositif pour supporter des parois de four garnies d'un revêtement monolithique

Publication

**EP 0818662 A2 19980114 (DE)**

Application

**EP 97107268 A 19970625**

Priority

DE 29611897 U 19960709

Abstract (en)

The monolithic wall panels (2, 22) within a high temperature furnace are held in place by an assembly (1, 21) which incorporates: (a) a ceramic anchor block (3, 23, 40, 50, 60) anchoring the monolithic furnace wall panels (10, 30); and (b) a locking arrangement (4, 5, 11, 12, 24, 25, 31, 32, 70, 71, 72, 73, 74, 75, 75') holding the ceramic anchor block (3, 23, 40, 50, 60) to the furnace wall (6, 26). The novelty is that the anchor block (3, 23, 40, 50, 60) is fabricated using a high-pressure hydraulic press, and is dovetail-shaped narrowing towards the furnace wall (6, 26). The anchor block (3, 23, 40, 50, 60) incorporates one or more grooves (43, 43', 53, 53', 63) and/or gullies (44, 54, 64, 64').

Abstract (de)

Haltevorrichtung (1) für monolithisch ausgekleidete Ofenwände (2), umfassend einen keramischen Ankerstein (3) zur Verankerung einer monolithischen Auskleidung (10) und ein Befestigungsmittel (5) zur Befestigung des keramischen Ankersteins an einer Ofenwand (9), dadurch gekennzeichnet, daß der Ankerstein (3) auf hydraulischen Hochdruckpressen gefertigt ist. <IMAGE>

IPC 1-7

**F27D 1/14**; B28B 23/00

IPC 8 full level

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