

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 B1 20030507 (DE)

Application

EP 97107268 A 19970625

Priority

DE 29611897 U 19960709

Abstract (en)

[origin: EP0818662A2] 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').

IPC 1-7

F27D 1/14; B28B 23/00

IPC 8 full level

B28B 23/00 (2006.01); **F27D 1/14** (2006.01)

CPC (source: EP)

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