

Title (en)

Ring furnace including flue walls with built-in expansion joints

Title (de)

Ringofen mit Rauchgaskanalausmauerung mit eingebauten Dehnungsverbindungen

Title (fr)

Four à feu mobile à parois de conduit de fumée dotées de joints de dilatation intégrés

Publication

**EP 1992896 A1 20081119 (EN)**

Application

**EP 07356066 A 20070514**

Priority

EP 07356066 A 20070514

Abstract (en)

The invention relates to a ring furnace having a plurality of hollow partitions (3, 3') acting as flue walls and defining baking pits for stacking carbonaceous articles therein. So as to allow thermal expansion of the bricks (110) during use, while preserving the transverse imperviousness of the hollow partitions, at least one built-in expansion joint is arranged in at least one of said hollow partitions by providing at least one gap (111, 112) between specified bricks in each said lateral wall and by arranging sealing bricks (1111, 1112, 1121, 1122) within said hollow partition so as to overlap said gap and thereby seal the same.

IPC 8 full level

**F27B 13/10** (2006.01); **F27D 1/04** (2006.01)

CPC (source: EP)

**F27B 13/10** (2013.01); **F27D 1/04** (2013.01)

Citation (search report)

- [Y] US 5683631 A 19971104 - ZABREZNIK RODNEY D [US]
- [Y] WO 2007006962 A2 20070118 - PECHINEY ALUMINIUM [FR], et al
- [Y] DE 592117 C 19340201 - KOPPERS CO INC
- [Y] US 4059885 A 19771129 - OLDENGOTT HANS

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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