

Title (en)

Heat resistant alloy foil lining for kilns and method of lining kiln.

Title (de)

Wärmewährende Auskleidung für Ofen, bestehend aus einer Legierungsfolie und Verfahren zur Ofenbekleidung.

Title (fr)

Revêtement résistant à la chaleur formé d'une feuille d'alliage pour four et méthode pour en revêtir les fours.

Publication

EP 0469230 A1 19920205 (EN)

Application

EP 91100894 A 19910124

Priority

US 56258290 A 19900803

Abstract (en)

There is disclosed herein a kiln (10) for the heating and firing of ware, usually ceramic, which includes a preheat zone (12), a heat treatment or soaking zone (14) operating above about 1400 DEG F., and a post-heat zone (16). In the heat treatment zone (14) the walls (22,24) are fabricated of refractory wallboard (36,38,40) or tile elements and includes an austenitic foil material (42) applied to the hot face of the refractory in an interlocking or shiplap structure so as to wrap and surround the refractory board and prevent refractory spalling from entering the soaking zone (14) and thereby contaminating the ware. <IMAGE>

IPC 1-7

F27D 1/00; F27D 23/02

IPC 8 full level

F27B 9/20 (2006.01); **F27D 1/00** (2006.01); **F27D 1/14** (2006.01); **F27D 23/02** (2006.01); **F27D 25/00** (2010.01)

CPC (source: EP)

F27B 9/20 (2013.01); **F27D 1/0009** (2013.01); **F27D 1/0033** (2013.01); **F27D 1/144** (2013.01); **F27D 25/00** (2013.01)

Citation (search report)

- [X] US 4595358 A 19860617 - GINZBURG VLADIMIR B [US]
- [A] EP 0248918 A1 19871216 - SIGRI GMBH [DE]
- [A] FR 1154515 A 19580411
- [A] US 4740155 A 19880426 - LABAS NICHOLAS [US]
- [A] US 4156792 A 19790529 - MCFADDEN CHARLES A [US], et al
- [A] GB 2192260 A 19880106 - PFEIFFER VAKUUMTECHNIK

Designated contracting state (EPC)

AT BE DE DK FR GB IT LU SE

DOCDB simple family (publication)

EP 0469230 A1 19920205; CA 2032701 A1 19920204

DOCDB simple family (application)

EP 91100894 A 19910124; CA 2032701 A 19901219