

Title (en)
Refractory burner brick

Title (de)
Feuerfester Ofenstein

Title (fr)
Brique réfractaire pour un four

Publication
EP 1914322 A1 20080423 (EN)

Application
EP 08001504 A 20061020

Priority
• EP 06255415 A 20061020
• GB 0522675 A 20051107

Abstract (en)
A refractory furnace brick (1) (1/2) has chamfered corner faces (F3/f3) enabling the bricks to be formed into a regular grid with longitudinal rectangular bores formed both within respective bricks and defined by surrounding bricks. Preferably the shorter sidewalls of the bricks are extended slightly in the transverse direction to form ridges R/R' which interlock to strengthen the structure. In order to provide a distributed expansion flexible ceramic pads (P) may be provided between the chamfered corner faces.

IPC 8 full level
C21B 9/00 (2006.01)

CPC (source: EP GB US)
C21B 7/04 (2013.01 - EP US); **C21B 9/02** (2013.01 - EP US); **C21B 9/06** (2013.01 - EP US); **F27D 1/04** (2013.01 - EP GB US); **F27D 1/042** (2013.01 - EP US)

Citation (search report)
• [A] US 4974666 A 19901204 - HIRATA KIMIO [JP], et al
• [A] US 2221416 A 19401112 - TAU BRUCE E
• [A] US 1849657 A 19320315 - BOYNTON ARTHUR J

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1783233 A1 20070509; EP 1783233 B1 20080312; AT E389036 T1 20080315; DE 602006000698 D1 20080424;
DE 602006000698 T2 20090319; EP 1914322 A1 20080423; GB 0522675 D0 20051214; GB 2432204 A 20070516; GB 2432204 B 20100512;
US 2007101913 A1 20070510

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US 59144106 A 20061101