

Title (en)
REFRACTORY STRUCTURAL ELEMENT

Title (de)
FEUERFESTES STRUKTURELEMENT

Title (fr)
ÉLÉMENT STRUCTURAL RÉFRACTAIRE

Publication
EP 2526360 A4 20140219 (EN)

Application
EP 11804391 A 20110708

Priority
• US 36248910 P 20100708
• US 2011043331 W 20110708

Abstract (en)
[origin: WO2012006507A2] A refractory strucutral element is provided that is useful for lining the inner surface of a construct typically used as a kiln or other high temperature system. An element includes a stem portion associated with a flared end block portion whereby the flared end block portion is compatible with other strucutral elements to form a substantially continuous tiled surface when a plurality of refractory structural elements are laid adjacent to each other. The stem portion optionally has a plurality of protrusions decorated on its outer surface that may serve to adjust heat dissipation from the element.

IPC 8 full level
F27D 1/00 (2006.01); **C04B 12/02** (2006.01); **C04B 28/34** (2006.01); **F27D 1/04** (2006.01)

CPC (source: EP KR US)
C04B 28/344 (2013.01 - EP KR US); **F27D 1/0006** (2013.01 - EP KR US); **F27D 1/04** (2013.01 - EP KR US); **C04B 2111/28** (2013.01 - EP KR US); **Y02W 30/91** (2015.05 - EP KR US)

Citation (search report)
• [XY] EP 1006315 A1 20000607 - ASEA BROWN BOVERI [CH]
• [Y] GB 300980 A 19290718 - ALFRED NUMA DE SAINT EDME BORN
• [Y] GB 2370102 A 20020619 - MERKLE ENG INC [US]
• See references of WO 2012006507A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012006507 A2 20120112; WO 2012006507 A3 20120308; AU 2011274532 A1 20130124; BR 112013000369 A2 20170926; CA 2804505 A1 20120112; EP 2526360 A2 20121128; EP 2526360 A4 20140219; JP 2013537613 A 20131003; KR 20130039332 A 20130419; MX 2013000307 A 20130624; US 2012304904 A1 20121206

DOCDB simple family (application)
US 2011043331 W 20110708; AU 2011274532 A 20110708; BR 112013000369 A 20110708; CA 2804505 A 20110708; EP 11804391 A 20110708; JP 2013518856 A 20110708; KR 20137003476 A 20110708; MX 2013000307 A 20110708; US 201113577305 A 20110708