

Title (en)
REFRACTORY ASSEMBLIES

Publication
EP 0282247 B1 19920819 (EN)

Application
EP 88301946 A 19880307

Priority
GB 8705224 A 19870306

Abstract (en)
[origin: EP0282247A1] A refractory pouring assembly (4, 6, 7, 9; 23, 24, 26, 27, 29; 33, 34, 39) comprises at least one refractory component having a jointing surface adapted to mate with a corresponding surface of another component of the assembly and to which there may be applied primary and secondary, mutually spaced deposits of cement sealant (11, 12; 15, 16; 36, 37), wherein said jointing surface is provided with a recess (5, 8, 13; 25, 28; 35) for receiving a meltable sealing composition which melts under pouring conditions to form a reactive material of initially low viscosity and which reacts under pouring conditions to form a sealing material of high viscosity which in use provides an additional seal between said primary and secondary sealants. The joint-sealing composition comprises a mixture of a low melting (say within 500 DEG C to 650 DEG C) reactive glass e.g. at least 25% borosilicate glass, with a filler, which may be ceramic fibres or a clay.

IPC 1-7
B22D 11/10; B22D 41/08

IPC 8 full level
B22D 41/28 (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP)
B22D 41/28 (2013.01); **B22D 41/502** (2013.01)

Cited by
EP0646430A4; EP1364730A3; CN112566746A; CN106807931A; US5868954A; EP0846513A3; CN108672693A; WO0032337A1; WO2010037489A1; EP2790856B2

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0282247 A1 19880914; EP 0282247 B1 19920819; DE 3873790 D1 19920924; GB 8705224 D0 19870408

DOCDB simple family (application)
EP 88301946 A 19880307; DE 3873790 T 19880307; GB 8705224 A 19870306