

Title (en)
REFRACTORY CERAMIC PART

Title (de)
FEUERFESTES KERAMISCHES BAUTEIL

Title (fr)
COMPOSANT CERAMIQUE REFRACTAIRE

Publication
EP 1526940 A1 20050504 (DE)

Application
EP 03784140 A 20030801

Priority
• DE 10235867 A 20020805
• EP 0308535 W 20030801

Abstract (en)
[origin: WO2004014585A1] The invention relates to a fire resistant ceramic part which can be embodied in the form of an impact pot or a casting gutter and has the following characteristics: - a base (10); - at least two walls (12, 14) which extend from opposite sections (10l, 10r) of the base (10) such that at least some sectors (12.1, 12.3, 12.4) of the inner surfaces thereof run at an angle > 0 and < 90 degrees from a plane E-E, perpendicular to the base (10), and at opposite inclinations; - an opening (O) is configured between free ends (12r, 14r) of the walls (12, 14); - the distance (dmin, qmin) between the walls (12, 14) is smaller in at least one sector (11) between the base (10) and the opening (O) than it is in the areas (12u, 14u; 12o, 14o) located adjacent the opening (O) and the base (10).

IPC 1-7
B22D 41/00; **B22D 11/103**; **B22D 35/04**

IPC 8 full level
B22D 11/103 (2006.01); **B22D 35/04** (2006.01); **B22D 41/00** (2006.01)

CPC (source: EP US)
B22D 11/103 (2013.01 - EP US); **B22D 35/04** (2013.01 - EP US); **B22D 41/003** (2013.01 - EP US)

Citation (search report)
See references of WO 2004014585A1

Cited by
DE102007035452A1; DE102007035452B4; US9815112B2; EP2769785A1; AU2014220873B2; EA028440B1; WO2014128013A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004014585 A1 20040219; AT E312678 T1 20051215; AU 2003258559 A1 20040225; AU 2003258559 B2 20050602; BR 0305743 A 20040928; BR 0305743 B1 20110531; CA 2466646 A1 20040219; CA 2466646 C 20090728; CN 1298464 C 20070207; CN 1628006 A 20050615; DE 10235867 B3 20040408; DE 50301952 D1 20060119; EG 23513 A 20060308; EP 1526940 A1 20050504; EP 1526940 B1 20051214; ES 2253708 T3 20060601; MX PA04005836 A 20050517; PL 199731 B1 20081031; PL 369961 A1 20050502; RU 2004113204 A 20050820; RU 2284246 C2 20060927; TW 200414951 A 20040816; TW I238748 B 20050901; US 2004256775 A1 20041223; US 7128247 B2 20061031

DOCDB simple family (application)
EP 0308535 W 20030801; AT 03784140 T 20030801; AU 2003258559 A 20030801; BR 0305743 A 20030801; CA 2466646 A 20030801; CN 03803241 A 20030801; DE 10235867 A 20020805; DE 50301952 T 20030801; EG 2003080763 A 20030805; EP 03784140 A 20030801; ES 03784140 T 20030801; MX PA04005836 A 20030801; PL 36996103 A 20030801; RU 2004113204 A 20030801; TW 92121387 A 20030805; US 49465304 A 20040504