

Title (en)
Refractory, ceramic gas flushing brick

Title (de)
Feuerfester keramischer Gasspülstein

Title (fr)
Brique réfractaire, céramique pour lavage aux gaz

Publication
EP 1101825 B1 20030716 (DE)

Application
EP 00120224 A 20000926

Priority
DE 19954918 A 19991116

Abstract (en)
[origin: EP1101825A1] Refractory ceramic gas rinsing stone (10) comprises a ceramic body (12) with non-directive porosity extending from one gas inlet end (12u) to a gas outlet side front surface (10s) of the stone; and a gas-tight ceramic material (20) surrounding the ceramic body in the region of its periphery surface. A slit-like gas channel (22) is formed in the boundary surface between the ceramic body and the gas-tight ceramic material and/or within the ceramic body. The gas channel extends from a gas inlet end up to the a gas outlet side front surface of the stone. Preferred Features: The ceramic body is divided in the gas inlet direction. The gas channel is formed between corresponding surface sections of neighboring parts of the body.

IPC 1-7
C21C 7/072; **B22D 1/00**; **F27D 3/16**

IPC 8 full level
B22D 1/00 (2006.01); **C21C 7/072** (2006.01); **F27D 3/16** (2006.01); **C21C 5/48** (2006.01)

CPC (source: EP)
B22D 1/005 (2013.01); **F27D 3/16** (2013.01); **C21C 5/48** (2013.01)

Cited by
AU2003249790B2; DE10305232B3; CN100360259C; WO2004069450A1; WO03103877A1; WO2024089097A1; WO2019145522A1; WO2024089095A1; US7276205B2; WO2024089098A1; WO2022075961A1; EP2111938B1; EP3517634B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1101825 A1 20010523; **EP 1101825 B1 20030716**; AT E245202 T1 20030815; DE 19954918 A1 20010531; DE 19954918 C2 20010920; DE 50002898 C5 20081106; DE 50002898 D1 20030821; ES 2201981 T3 20040401

DOCDB simple family (application)
EP 00120224 A 20000926; AT 00120224 T 20000926; DE 19954918 A 19991116; DE 50002898 T 20000926; ES 00120224 T 20000926