

Title (en)
Gas purging brick

Title (de)
Gasspülstein

Title (fr)
Brique pour lavage au gaz

Publication
EP 0363651 B1 19961120 (DE)

Application
EP 89116620 A 19890908

Priority
DE 3833502 A 19881001

Abstract (en)
[origin: US4978108A] A gas washing sink for use in introducing gas through a metallurgical vessel into molten metal therein includes a gas permeable refractory inner brick portion and a gas impermeable refractory outer brick portion surrounding the inner brick portion. The inner and outer brick portions define a first sink end to be exposed to the molten metal. The outer brick portion has an end face defining a second sink end to be directed away from the molten metal. A gas distribution chamber has a first end open to the inner brick portion and a second end opening onto the end face of the outer brick portion and defined thereat by an opening. A sealing surface extending concentrically of the opening has pressed thereagainst, at a pressure sufficient to achieve a seal therebetween, a closure member for closing the second end of the gas distribution chamber and having a gas inlet connection for introducing gas into the gas distribution chamber.

IPC 1-7
C21C 7/072; **C21C 5/48**; **C22B 9/05**

IPC 8 full level
B22D 41/58 (2006.01); **B22D 1/00** (2006.01); **B22D 41/42** (2006.01); **C21C 5/48** (2006.01); **C21C 7/072** (2006.01); **C22B 9/05** (2006.01); **F27D 3/16** (2006.01)

CPC (source: EP KR US)
B22D 1/005 (2013.01 - EP US); **C21C 5/30** (2013.01 - KR); **C21C 5/48** (2013.01 - EP US)

Cited by
EP2893992A1; EP0609562A1; EP0521371A1; EP0458040A3; EP1078702A1; DE19941639A1; DE19941639C2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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