

Title (en)
A flushing arrangement for a metallurgical vessel.

Title (de)
Spüleinrichtung für ein metallurgisches Gefäß.

Title (fr)
Dispositif de rinçage pour un récipient métallurgique.

Publication
EP 0155255 A2 19850918 (DE)

Application
EP 85890007 A 19850114

Priority
AT 86584 A 19840315

Abstract (en)
[origin: ES8603584A1] Rinsing gas device for a metallurgical vessel consists of a rinsing plate built between the refractory bricks in the bottom or side wall of the vessel. The plate is made of two metal sheets welded together with spacer ribs to form several channels which are fed from a distributor into which the gas conduit is located. - Pref. distributor is made of a tube which is transverse to the channels and has a slit which enables a gas tight joint to be produced between distributor and rinsing plate. The thickness of the channel is constant and max. 1.5mm. The plate height corresponds to the height of the erosion bricks with the distributor being located in the second row of bricks. Each plate is individually regulated for flow. Alternatively the plate can be made of several tubes welded to the distributor with flattened upper longitudinal sections.
[origin: ES8603584A1] Rinsing gas device for a metallurgical vessel consists of a rinsing plate built between the refractory bricks in the bottom or side wall of the vessel. The plate is made of two metal sheets welded together with spacer ribs to form several channels which are fed from a distributor into which the gas conduit is located. - Pref. distributor is made of a tube which is transverse to the channels and has a slit which enables a gas tight joint to be produced between distributor and rinsing plate. The thickness of the channel is constant and max. 1.5mm. The plate height corresponds to the height of the erosion bricks with the distributor being located in the second row of bricks. Each plate is individually regulated for flow. Alternatively the plate can be made of several tubes welded to the distributor with flattened upper longitudinal sections.

Abstract (de)
Bei einer Spüleinrichtung für ein metallurgisches Gefäß, dessen Boden (2) und Wände (3) durch aneinandergereihte, feuerfeste Steine (6) ausgekleidet sind, ist zur Vermeidung vorzeitiger durch die Spüleinrichtung bedingter Reparaturen des metallurgischen Gefäßes und zur Ermöglichung der Bildung der Ausmauerung aus herkömmlichen feuerfesten Steinen an vorbestimmten Stellen des Bodens (2) und/oder der Wände (3) zwischen benachbarten, feuerfesten Steinen (6) eine metallische Spülplatte (14) eingebaut, die mindestens einen, vorzugsweise eine Mehrzahl, leitungsmässig mit einer Speiseleitung (31) verbundene(n) Durchgangskanal bzw. -kanäle für Spülgas aufweist.

IPC 1-7
C21C 7/072; **C21C 5/48**

IPC 8 full level
C21C 5/34 (2006.01); **B22D 1/00** (2006.01); **C21C 5/44** (2006.01); **C21C 5/48** (2006.01); **C21C 7/072** (2006.01); **F27D 3/16** (2006.01)

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

Cited by
EP0403466A3; EP0239152A1; AU581562B2; EP0232244A3; US4744546A; AU599949B2

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 85890007 A 19850114; AT 86584 A 19840315; ES 541127 A 19850308; JP 5215385 A 19850314; PT 8008985 A 19850311; US 62498584 A 19840627; ZA 85544 A 19850123