

Title (en)
Refractory purging porous block assembly

Title (de)
Feuerfeste poröse Spülblockanordnung

Title (fr)
Ensemble bloc poreux de purge réfractaire

Publication
EP 2255904 A1 20101201 (EN)

Application
EP 09161298 A 20090527

Priority
EP 09161298 A 20090527

Abstract (en)
A refractory purging porous block assembly (100, 400) for use at a sink outlet (101) of a tundish, comprises a main body (200) comprising a first material, a bore hole (103) extending from a top side (203) of the main body to a bottom side (204) of the main body, whereby the top side is towards the tundish when the refractory purging porous block is connected with the sink outlet, the bore hole being delimited by an internal peripheral surface (205) of the main body between the top side and the bottom side, the main body further comprising an outer peripheral surface (206) between the top side and the bottom side, wherein the first material has a first permeability. The block assembly further comprises a groove (201) made on the top side of the main body, the groove surrounding the bore hole, a porous body (202) comprising a second material and fitting inside the groove to surround the bore hole, wherein the second material has a second permeability, the second permeability being of higher value than the first permeability, and a gas supply conduit (207) formed in the main body and allowing gas to flow from an opening (208) on the outer peripheral surface of the main body to the groove.

IPC 8 full level
B22D 1/00 (2006.01); **B22D 41/58** (2006.01)

CPC (source: EP)
B22D 1/005 (2013.01); **B22D 41/58** (2013.01)

Citation (applicant)
• EP 0282824 A2 19880921 - ARBED [LU]
• EP 2025431 A1 20090218 - LLC TMT PERESECHENIE LOGOISKIY [BY]

Citation (search report)
• [X1] EP 2025431 A1 20090218 - LLC TMT PERESECHENIE LOGOISKIY [BY]
• [AD] EP 0282824 A2 19880921 - ARBED [LU]

Cited by
CN109759575A; CN107225231A

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
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