

Title (en)
Purifying molten metal

Title (de)
Reinigen von geschmolzenem Metall

Title (fr)
Purification de métal fondu

Publication
EP 0576212 B1 19990414 (EN)

Application
EP 93304736 A 19930617

Priority
GB 9212953 A 19920618

Abstract (en)
[origin: GB2267855A] Unwanted solid, non-metallic inclusions are removed from molten metal in a refractory-lined vessel such as a tundish by bubbling inert gas upwardly through the metal by providing a gas permeable nozzle block (16) shaped to contain a nozzle (17) with a centrally-disposed through bore and to be sealingly set in the refractory lining (13) of a vessel (10) to contain molten metal, the nozzle block (16) having a gas-receiving channel (18) to extend around the nozzle (17) and means to connect the gas-receiving channel (18) to a source of gas. The gas-receiving channel may contain a pipe having perforations in its upper surface. The nozzle block may be substantially non-porous below the gas-receiving channel and the composition of the nozzle block may compose at least 75% by weight alumina. <IMAGE>

IPC 1-7
B22D 1/00; C22B 9/05; B22D 41/58

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)

Cited by
US5723055A; KR100986053B1; EP2025431A1; DE102008015323A1; JP2023515903A; WO0050190A1; WO2004035249A1

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DE ES FR IT

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