

Title (en)
Purifying molten metal.

Title (de)
Reinigen von geschmolzenem Metall.

Title (fr)
Purification de métal fondu.

Publication
EP 0576212 A2 19931229 (EN)

Application
EP 93304736 A 19930617

Priority
GB 9212953 A 19920618

Abstract (en)
Unwanted solid, non-metallic inclusions are removed from molten metal in a refractory-lined vessel by bubbling inert gas upwardly through the metal. The invention provides 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. <IMAGE>

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

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

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
GB 2267855 A 19931222; **GB 2267855 B 19950920**; **GB 9312074 D0 19930728**; DE 69324408 D1 19990520; DE 69324408 T2 19991216; EP 0576212 A2 19931229; EP 0576212 A3 19941123; EP 0576212 B1 19990414; ES 2132188 T3 19990816; GB 9212953 D0 19920729

DOCDB simple family (application)
GB 9312074 A 19930611; DE 69324408 T 19930617; EP 93304736 A 19930617; ES 93304736 T 19930617; GB 9212953 A 19920618