

Title (en)
ORIFICE FOR INJECTING A PROTECTING GAS INTO A CASTING TUBE

Publication
EP 0094926 B1 19860226 (FR)

Application
EP 83870047 A 19830511

Priority
BE 208080 A 19820513

Abstract (en)
[origin: US4519438A] A casting tube 8 of a refractory material comprises at its upper end a series of openings for the injection of a protective gas, for example argon, to create an atmosphere which protects the incoming molten metal against oxidation and cools the walls of the casting tube. The injection openings are grooves 11 formed in an upper frustoconical part of the casting tube, whose outer surface defines a fixing collar. These grooves are interconnected by an annular passage 12.

IPC 1-7
B22D 41/08; **B22D 11/10**

IPC 8 full level
B22D 11/10 (2006.01); **B22D 11/106** (2006.01); **B22D 41/58** (2006.01); **C21C 7/072** (2006.01); **F27D 3/14** (2006.01); **F27D 3/16** (2006.01)

CPC (source: EP US)
B22D 41/58 (2013.01 - EP US); **C21C 7/072** (2013.01 - EP US); **F27D 3/14** (2013.01 - EP US); **F27D 3/16** (2013.01 - EP US)

Cited by
DE3624320A1; EP0582496A1; KR100728512B1; EP0373555A3; DE3634893C1; GB2179573A; DE3342071A1; GB2150059A; WO9526439A1

Designated contracting state (EPC)
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