

Title (en)
INSTALLATION FOR INTRODUCING GAS INTO A BATH OF LIQUID METAL

Publication
EP 0080403 B1 19870729 (FR)

Application
EP 82402089 A 19821116

Priority
FR 8121860 A 19811123

Abstract (en)
[origin: EP0080403A1] 1. A permeable device for introducing gas into a bath of liquid metal, comprising a case (1) in which is disposed an enclosure (3) which is open in its upper part, in which is placed at least one permeable refractory element (8) retained by a first refractory binder (10), the bottom (5) of the enclosure (3) having an orifice (6) connected to an inlet tube (2) for said gases, and the enclosure being fixed in the case by a second refractory binder (11), characterised in that the case is in the form of a box open in its upper part and having a bottom through which the gas inlet tube (2) extends in a sealed manner.

IPC 1-7
C21C 7/072; **C21C 5/48**; **C22B 9/05**

IPC 8 full level
B22D 1/00 (2006.01); **C21C 5/48** (2006.01); **C21C 7/072** (2006.01); **C22B 9/05** (2006.01)

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

Cited by
EP1797976A3; EP0311785A1; US4925166A; EP0329645A1; AU610697B2; EP0855237A1; FR2758486A1; CN115261632A; DE19542446A1; DE19542446C2; EP2850214A4; US9506123B2; WO8907659A1; WO9718335A3

Designated contracting state (EPC)
AT BE DE GB IT LU NL SE

DOCDB simple family (publication)
EP 0080403 A1 19830601; **EP 0080403 B1 19870729**; AT E28667 T1 19870815; DE 3276872 D1 19870903; FR 2516938 A1 19830527; FR 2516938 B1 19860606; JP H0235007 B2 19900808; JP S5896808 A 19830609

DOCDB simple family (application)
EP 82402089 A 19821116; AT 82402089 T 19821116; DE 3276872 T 19821116; FR 8121860 A 19811123; JP 20590882 A 19821124