

Title (en)  
Vacuum-suction continuous degassing apparatus

Title (de)  
Vorrichtung zur kontinuierlichen Unterdruckentgasung

Title (fr)  
Dispositif de dégazage continu sous vide

Publication  
**EP 0462538 B1 19961016 (EN)**

Application  
**EP 91109889 A 19910617**

Priority  
JP 15832590 A 19900616

Abstract (en)  
[origin: EP0462538A1] A melt flow pipe (15) is arranged penetrating a vacuum container (14). The melt flow pipe is made of a porous material having pores which allow premeation of gases but does not allow permeation of melts (2) such as molten metal, molten slag, and molten matte. And, in the wall of this melt flow pipe are buried a pipe-like member (16) wherein a cooling medium flows in a form of coil. As the melt contact the external surface of the flow pipe and this section is exposed to a vacuum state, gases in the melt or gases generated through reactions between the melt and the porous member pass through the porous flow pipe to the internal surface side and removed. When the melts flows therein, the flow pipe is cooled by a cooling medium, so that degasification of the melt can be made continuously. <IMAGE>

IPC 1-7  
**C22B 9/04**

IPC 8 full level  
**B22D 1/00** (2006.01); **C21C 7/00** (2006.01); **C21C 7/10** (2006.01); **C22B 9/04** (2006.01)

CPC (source: EP)  
**C22B 9/04** (2013.01)

Designated contracting state (EPC)  
AT DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0462538 A1 19911227; EP 0462538 B1 19961016**; AT E144293 T1 19961115; CA 2044722 A1 19911217; DE 69122667 D1 19961121; DE 69122667 T2 19970313; ES 2096602 T3 19970316; JP H0448026 A 19920218; JP H0753894 B2 19950607

DOCDB simple family (application)  
**EP 91109889 A 19910617**; AT 91109889 T 19910617; CA 2044722 A 19910617; DE 69122667 T 19910617; ES 91109889 T 19910617; JP 15832590 A 19900616