

Title (en)
GAS BUBBLING DEVICE

Publication
EP 0407727 A3 19911227 (DE)

Application
EP 90110434 A 19900601

Priority
DE 3922871 A 19890712

Abstract (en)
[origin: EP0407727A2] In a gas scavenging device for a metallurgical vessel, a cover wall (2) of a gas pressure chamber (1) adjoins a lining brick (12) of the vessel. A plurality of metal tubes (8) which extend through the lining brick (12) are fixed to the cover wall (2). For fine subdivision of the gas stream entering the melt, a rod (13) consisting of a refractory ceramic material and having a plurality of channels (14) is inserted into each metal tube (8). <IMAGE>

IPC 1-7
C21C 7/072; C22B 9/05

IPC 8 full level
B22D 1/00 (2006.01)

CPC (source: EP)
B22D 1/005 (2013.01)

Citation (search report)

- [YD] AT 387404 B 19890125 - RADEX AUSTRIA AG [AT]
- [Y] EP 0297067 A1 19881228 - HOEGANAES AB [SE]
- [A] DE 684243 C 19391124 - DEMAG AG
- [A] PATENT ABSTRACTS OF JAPAN Band 10, Nr. 276 (C-373)(2332), 19. September 1986; & JP - A - 6196022 (NIPPON STEEL) 14.05.1986
- [A] PATENT ABSTRACTS OF JAPAN Band 9, Nr. 331 (C-321)(2054), 25. Dezember 1985; & JP - A - 60162720 (SHIN NIPPON SEITETSU) 24.08.1985

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0407727 A2 19910116; EP 0407727 A3 19911227; DE 3922871 A1 19910124

DOCDB simple family (application)
EP 90110434 A 19900601; DE 3922871 A 19890712