

Title (en)

METHOD AND APPARATUS FOR DIRECT CASTING OF CRYSTALLINE STRIP IN NON-OXIDIZING ATMOSPHERE

Publication

EP 0174766 A3 19870325 (EN)

Application

EP 85306048 A 19850827

Priority

US 65037484 A 19840913

Abstract (en)

[origin: EP0174766A2] A method is provided for directly casting molten metal (19) from a U-shaped structure of the exit end (26) of a casting vessel (18) onto a moving casting surface (20) to form a continuous strip (15) of crystalline material. The method includes providing a non-oxidizing atmosphere in a zone defined above the molten metal (19), across the width of the U-shaped structure and adjacent the casting surface (20). An apparatus is also provided.

IPC 1-7

B22D 11/06; **B22D 27/00**

IPC 8 full level

B22D 11/06 (2006.01); **B22D 27/00** (2006.01)

CPC (source: EP KR)

B21D 11/06 (2013.01 - KR); **B22D 11/0611** (2013.01 - EP); **B22D 27/003** (2013.01 - EP)

Citation (search report)

- [A] US 4144926 A 19790320 - LIEBERMANN HOWARD H
- [A] US 4177856 A 19791211 - LIEBERMANN HOWARD H [US]
- [A] EP 0092844 A1 19831102 - HAZELETT STRIP CASTING CORP [US]
- [AD] US 4274473 A 19810623 - BEDELL JOHN R, et al
- [AD] US 4290476 A 19810922 - SMITH ROBERT W, et al

Cited by

CN113134583A

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0174766 A2 19860319; **EP 0174766 A3 19870325**; **EP 0174766 B1 19891102**; AT E47679 T1 19891115; AU 4652785 A 19860320; AU 578967 B2 19881110; BR 8504333 A 19860708; CA 1233618 A 19880308; DE 3573991 D1 19891207; ES 546609 A0 19861201; ES 8701551 A1 19861201; JP H0641019 B2 19940601; JP S6174760 A 19860417; KR 860002311 A 19860424; KR 910001175 B1 19910225; MX 163498 B 19920522

DOCDB simple family (application)

EP 85306048 A 19850827; AT 85306048 T 19850827; AU 4652785 A 19850822; BR 8504333 A 19850909; CA 489544 A 19850828; DE 3573991 T 19850827; ES 546609 A 19850830; JP 20325285 A 19850913; KR 850006436 A 19850913; MX 20648685 A 19850902