

Title (en)

DEVICE FOR FEEDING MOLTEN METAL

Title (de)

EINRICHTUNG ZUR ZUFÜHRUNG VON METALLSCHMELZE

Title (fr)

DISPOSITIF POUR L'AMENEE DE METAL EN FUSION

Publication

EP 1042087 B1 20011114 (DE)

Application

EP 98966566 A 19981214

Priority

- DE 9803761 W 19981214
- DE 19758142 A 19971219

Abstract (en)

[origin: WO9932248A1] The invention relates to a device for feeding molten metal, especially liquid steel, through submerged casting tubes of an intermediate tank in a stationary permanent mold of a continuous slab casting installation. The intermediate tank (21) is configured as a casting chamber (22) fitted with a vacuum pump (27), said casting chamber being connected to a main chamber (23) into which the molten mass (S) is fed from the outside. The floor (24) of the casting chamber (22) is fitted with at least three adjacent submerged casting tubes (31-3n).

IPC 1-7

B22D 11/10; B22D 41/50

IPC 8 full level

B22D 11/103 (2006.01); **B22D 11/10** (2006.01); **B22D 11/113** (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP KR)

B22D 11/10 (2013.01 - KR); **B22D 11/113** (2013.01 - EP); **B22D 41/50** (2013.01 - EP)

Cited by

US8030082B2; WO2022029300A1; WO2022029298A1; WO2022029301A1; WO2022029302A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9932248 A1 19990701; AT E208671 T1 20011115; AU 2410299 A 19990712; AU 744237 B2 20020221; BR 9813755 A 20001003; CA 2314076 A1 19990701; CN 1098738 C 20030115; CN 1282279 A 20010131; DE 19758142 A1 19990701; DE 59802177 D1 20011220; EP 1042087 A1 20001011; EP 1042087 B1 20011114; ES 2167963 T3 20020516; JP 2001526119 A 20011218; KR 20010033170 A 20010425

DOCDB simple family (application)

DE 9803761 W 19981214; AT 98966566 T 19981214; AU 2410299 A 19981214; BR 9813755 A 19981214; CA 2314076 A 19981214; CN 98812193 A 19981214; DE 19758142 A 19971219; DE 59802177 T 19981214; EP 98966566 A 19981214; ES 98966566 T 19981214; JP 2000525225 A 19981214; KR 20007006552 A 20000615