

Title (en)

METHOD AND EQUIPMENT FOR THE INTEGRAL CASTING OF METAL STRIP CLOSE TO ITS FINAL DIMENSIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ANGIESSEN EINES ENDABMESSUNGSNAHEN METALLBANDES

Title (fr)

PROCEDE ET DISPOSITIF POUR LA COULEE D'UN FEUILLARD METALLIQUE AU VOISINAGE DE SES DIMENSIONS DEFINITIVES

Publication

EP 0737117 B1 19980520 (DE)

Application

EP 95903251 A 19941214

Priority

- DE 9401519 W 19941214
- DE 4344953 A 19931227

Abstract (en)

[origin: US5915459A] PCT No. PCT/DE94/01519 Sec. 371 Date Jul. 24, 1996 Sec. 102(e) Date Jul. 24, 1996 PCT Filed Dec. 14, 1994 PCT Pub. No. WO95/17987 PCT Pub. Date Jul. 6, 1995 Metal strip close to its final dimensions is cast using a strip-casting apparatus provided with a melt-holding vessel and a conveyor belt, in which a metal melt, in particular steel, flows out of a casting nozzle of a closable pouring chamber which can be put under vacuum and is connected via a siphon to a main chamber which can be put under pressure. The casting nozzle is inclined by about 45 DEG and is of trumpet-like configuration in the region of the orifice on the inside of the nozzle wall remote from the main chamber. Additionally, a shut-off element which can be opened in a slit-shaped manner is provided near the orifice of the casting nozzle.

IPC 1-7

B22D 11/06; **B22D 11/10**

IPC 8 full level

B22D 11/08 (2006.01); **B22D 11/06** (2006.01); **B22D 11/10** (2006.01); **B22D 11/18** (2006.01); **B22D 41/14** (2006.01)

CPC (source: EP US)

B22D 11/0631 (2013.01 - EP US); **B22D 11/064** (2013.01 - EP US); **B22D 41/14** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5915459 A 19990629; AT E166265 T1 19980615; AU 1218695 A 19950717; AU 680978 B2 19970814; BR 9408424 A 19970826; CN 1041498 C 19990106; CN 1139395 A 19970101; DE 4344953 A1 19950629; DE 4344953 C2 19961002; DE 59406056 D1 19980625; DK 0737117 T3 19981007; EP 0737117 A1 19961016; EP 0737117 B1 19980520; ES 2116067 T3 19980701; JP 3011460 B2 20000221; JP H09506551 A 19970630; KR 100314990 B1 20020219; WO 9517987 A1 19950706

DOCDB simple family (application)

US 66651296 A 19960724; AT 95903251 T 19941214; AU 1218695 A 19941214; BR 9408424 A 19941214; CN 94194647 A 19941214; DE 4344953 A 19931227; DE 59406056 T 19941214; DE 9401519 W 19941214; DK 95903251 T 19941214; EP 95903251 A 19941214; ES 95903251 T 19941214; JP 51772094 A 19941214; KR 19960703414 A 19960625