

Title (en)

Method and horizontal continuous casting machine for the production of a coilable metal strip

Title (de)

Verfahren zur Erzeugung eines zu einem Coil wickelbaren Metallbandes und Horizontal-Bandgiessanlage zur Durchführung des Verfahrens

Title (fr)

Procédé dispositif de coulée continue horizontale pour la fabrication des bandes métalliques enroulables

Publication

EP 0972592 B2 20060906 (DE)

Application

EP 99112875 A 19990703

Priority

DE 19831111 A 19980711

Abstract (en)

[origin: US6305068B1] A continuous horizontal strip casting installation for producing a metal strip that can be coiled into a coil has a stationary draw-off unit with multiple draw-off rolls at a distance from a chill mold assigned to a furnace, a strip cutting unit which is displaceable in the longitudinal direction of the metal strip drawn out of the chill mold by the draw-off unit, and a coiling unit with coiling rolls, which can also be displaced in the same longitudinal direction. At least one draw-off roll and one coiling roll are driven in synchronization, and their drives are linked together by a programmable controller. The strip cutting unit is arranged between the draw-off unit and the coiling unit and is also linked to the programmable controller and is moved by the metal strip only when the strip is to be cut.

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/128** (2006.01); **B22D 11/06** (2006.01); **B21B 1/46** (2006.01)

CPC (source: EP KR US)

B22D 11/04 (2013.01 - KR); **B22D 11/0694** (2013.01 - EP US); **B22D 11/1284** (2013.01 - EP US); **B21B 1/46** (2013.01 - EP US); **Y10T 29/49991** (2015.01 - EP US)

Citation (opposition)

Opponent :

- DE 1783032 A1 19710304 - SIEMENS AG
- DE 2110548 C3 19750327

Cited by

CN108787746A; EP1820583A1; DE102007005435B4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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US 6305068 B1 20011023; AT E244084 T1 20030715; CN 1106896 C 20030430; CN 1241463 A 20000119; DE 19831111 A1 20000113; DE 59906163 D1 20030807; DK 0972592 T3 20031027; DK 0972592 T4 20070115; EP 0972592 A1 20000119; EP 0972592 B1 20030702; EP 0972592 B2 20060906; ES 2199504 T3 20040216; ES 2199504 T5 20070501; HU 222465 B1 20030728; HU 9902347 D0 19990928; HU P9902347 A2 20000228; HU P9902347 A3 20000529; KR 100611081 B1 20060810; KR 20000011607 A 20000225; PL 190054 B1 20051031; PT 972592 E 20031128; TW 487609 B 20020521

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US 35202299 A 19990712; AT 99112875 T 19990703; CN 99110130 A 19990702; DE 19831111 A 19980711; DE 59906163 T 19990703; DK 99112875 T 19990703; EP 99112875 A 19990703; ES 99112875 T 19990703; HU P9902347 A 19990709; KR 19990027696 A 19990709; PL 33415999 A 19990702; PT 99112875 T 19990703; TW 88110451 A 19990622