

Title (en)
STRIP CASTING DEVICE

Title (de)
BANDGIESSEINRICHTUNG

Title (fr)
DISPOSITIF DE COULEE DE FEUILLARDS

Publication
EP 0907440 B1 20040825 (DE)

Application
EP 97929093 A 19970605

Priority
• DE 9701178 W 19970605
• DE 19622927 A 19960607
• DE 19636696 A 19960910

Abstract (en)
[origin: WO9747414A2] A strip casting device with a revolving belt is disclosed. In the cooling area, the belt is sucked in against the carrier by a negative pressure in the cooler. Formerly used carriers were designed as supporting rollers and had a profiled surface, the profile being substantially composed of grooves whose width corresponded to the width of the sections with the largest diameter. This did not sufficiently reduce thermal stresses, and the belt tended to curve away from the supporting roller, worsening heat transfer and imprinting a profile corresponding to the belt curvature on the thin cast strip. In the disclosed strip casting plant, the carriers are spaced apart in such a way that given the known mechanical properties of the revolving belt, a curvature that compensates for thermal elongation is created between the supporting surfaces.

IPC 1-7
B22D 11/06; **B22D 11/128**

IPC 8 full level
B22D 11/06 (2006.01); **B22D 11/128** (2006.01)

CPC (source: EP US)
B22D 11/0677 (2013.01 - EP US); **B22D 11/1287** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 9747414 A2 19971218; **WO 9747414 A3 19980219**; AT E274388 T1 20040915; AU 3334397 A 19980107; BR 9709652 A 19990810; DE 59711874 D1 20040930; DK 0907440 T3 20040920; EP 0907440 A2 19990414; EP 0907440 B1 20040825; ES 2222516 T3 20050201; JP 2001515408 A 20010918; JP 4083223 B2 20080430; RU 2160651 C2 20001220; US 6206083 B1 20010327

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DE 9701178 W 19970605; AT 97929093 T 19970605; AU 3334397 A 19970605; BR 9709652 A 19970605; DE 59711874 T 19970605; DK 97929093 T 19970605; EP 97929093 A 19970605; ES 97929093 T 19970605; JP 50106798 A 19970605; RU 99100091 A 19970605; US 19482099 A 19990126