

Title (en)

Strand guide in a continuous casting plant for thin slabs

Title (de)

Strangführung einer Stranggiessanlage für Dünnbrammen

Title (fr)

Cage de guidage dans une installation à coulée continue de brames minces

Publication

EP 0734800 B1 20000712 (DE)

Application

EP 96103922 A 19960313

Priority

DE 19511113 A 19950325

Abstract (en)

[origin: US5709261A] A billet guiding unit of a continuous casting plant for thin slabs includes guide rolls supported on oppositely located frames, wherein the frames are tensioned relative to each other against stop surfaces by means of tension rods. Hydraulic cylinders for extending or stretching the tension rods are mounted between corresponding stop surfaces of the frames. The distance between oppositely located rows of rolls of the frames are corrected by determining a lower deviation side of the slab by carrying out a continuous measurement of the thickness of the slab sides, by determining from the difference of the dimensions the required extension of the tension rods on the lower deviation side and by applying to the hydraulic cylinders the pressure required for the extension of the tension rods.

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B22D 11/128

IPC 8 full level

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CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

AT DE ES FI FR GB IT NL SE

DOCDB simple family (publication)

US 5709261 A 19980120; AT E194529 T1 20000715; CA 2171377 A1 19960926; CN 1069242 C 20010808; CN 1137958 A 19961218; DE 19511113 A1 19960926; DE 59605563 D1 20000817; EP 0734800 A1 19961002; EP 0734800 B1 20000712; ES 2148614 T3 20001016; IN 193018 B 20040619; JP H08267206 A 19961015

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US 62177896 A 19960322; AT 96103922 T 19960313; CA 2171377 A 19960308; CN 96105792 A 19960325; DE 19511113 A 19950325; DE 59605563 T 19960313; EP 96103922 A 19960313; ES 96103922 T 19960313; IN 386MA1996 A 19960312; JP 6650496 A 19960322