

Title (en)

METHOD AND DEVICE FOR PRODUCING SLABS OF STEEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERZEUGEN VON BRAMMEN AUS STAHL

Title (fr)

PROCEDE ET DISPOSITIF DE PRODUCTION DE BRAMES D'ACIER

Publication

EP 0980295 B1 20011017 (DE)

Application

EP 98932038 A 19980427

Priority

- DE 9801198 W 19980427
- DE 19720768 A 19970507

Abstract (en)

[origin: WO9850185A1] The present invention pertains to a method for producing slabs of steel, whereby the rod leaves an ingot mould together with the liquid fusion contained therein, while, in a casting guide installed downstream from said ingot mould, the jaw aperture of the scaffold-type guide rolls is progressively adjusted by means of elements connecting the lower and the upper frames. The inventive method comprises the following steps: a) changing the jaw aperture by swaying the device around a centerline (c) in such a way that the dynamic effects on the guide rolls are insignificant; b) adjusting the sway amplitude (A) of the jaw aperture to such a value that no plastic deformation of the ingolt mould can result therefrom; c) determining the actual jaw aperture (s); d) determining at the same time the actuating power (F) of said adjusting elements, as well as the amplitude (A) of said actuating power; and e) in the event of an increased actuating power amplitude (A), adjusting the jaw aperture (s) based on a measure which is set and/or guided by pressure control on at least one adjusting element.

IPC 1-7

B22D 11/20; **B22D 11/12**; **B22D 11/128**

IPC 8 full level

B22D 11/12 (2006.01); **B22D 11/128** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR US)

B22D 11/1206 (2013.01 - EP US); **B22D 11/128** (2013.01 - EP KR US); **B22D 11/20** (2013.01 - EP US)

Cited by

WO2011124466A1; DE102007006458A1; US7121323B2; WO2008095456A1; WO03070399A1; DE102009031651A1; WO2011000549A1

Designated contracting state (EPC)

AT DE FR GB IT LU NL

DOCDB simple family (publication)

WO 9850185 A1 19981112; AT E206973 T1 20011115; AU 8209098 A 19981127; BR 9809604 A 20001003; DE 19720768 C1 19990114; DE 59801786 D1 20011122; EP 0980295 A1 20000223; EP 0980295 B1 20011017; ID 20520 A 19990107; KR 100531125 B1 20051124; KR 20010012379 A 20010215; TW 404869 B 20000911; US 2003145976 A1 20030807; US 6701999 B2 20040309

DOCDB simple family (application)

DE 9801198 W 19980427; AT 98932038 T 19980427; AU 8209098 A 19980427; BR 9809604 A 19980427; DE 19720768 A 19970507; DE 59801786 T 19980427; EP 98932038 A 19980427; ID 980663 A 19980506; KR 19997010332 A 19991108; TW 87107057 A 19980507; US 42348299 A 19991108