

Title (en)

PROCESS AND DEVICE FOR REGULATING THE CALORIFIC OUTPUT IN A CONTINUOUS ANNEALING AND PROCESSING LINE FOR CONTINUOUSLY CAST METAL PRODUCTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR REGELUNG DER HEIZLEISTUNG IN EINER DURCHLAUF-GLÜHANLAGE FÜR METALLISCHES STRANGGUT

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DE LA PUISSANCE CALORIFIQUE D'UNE INSTALLATION DE RECUIT AU PASSAGE DE PRODUITS METALLIQUES COULES EN CONTINU

Publication

EP 0656071 B1 19970611 (DE)

Application

EP 93919106 A 19930819

Priority

- DE 4227812 A 19920821
- EP 9302222 W 19930819

Abstract (en)

[origin: US5700335A] PCT No. PCT/EP93/02222 Sec. 371 Date Apr. 5, 1995 Sec. 102(e) Date Apr. 5, 1995 PCT Filed Aug. 19, 1993 PCT Pub. No. WO94/04708 PCT Pub. Date Mar. 3, 1994A process and device are disclosed for regulating the annealing power in at least one annealing section of a continuous annealing and processing line for continuously cast metal products. The speed of the cast products (D) passing through the continuous annealing device is detected, as well as the voltage currently applied to the annealing section, which is converted into an effective value (Uc) by means of a control device (50). The voltage supplied to the annealing section is modified by a control signal derived from the determined effective value of the voltage, in order to achieve a predetermined annealing power value dependent on the measured speed. At least the current flowing in one annealing section is also detected and converted into an effective value. The annealing power actually supplied to the annealing section is calculated from said effective values. The voltage value is modified by a control device until a predetermined value of the annealing power is reached.

IPC 1-7

C21D 9/62; **C21D 11/00**

IPC 8 full level

C22F 1/08 (2006.01); **C21D 9/62** (2006.01); **C21D 11/00** (2006.01); **C22F 1/00** (2006.01)

CPC (source: EP US)

C21D 9/62 (2013.01 - EP US); **C21D 11/00** (2013.01 - EP US)

Cited by

EP1647996B2

Designated contracting state (EPC)

AT BE CH FR GB IT LI PT

DOCDB simple family (publication)

US 5700335 A 19971223; AT E154398 T1 19970615; DE 4227812 A1 19940224; DE 4227812 C2 20010104; EP 0656071 A1 19950607; EP 0656071 B1 19970611; FI 101313 B1 19980529; FI 101313 B 19980529; FI 950762 A0 19950220; FI 950762 A 19950220; JP H08503258 A 19960409; WO 9404708 A1 19940303

DOCDB simple family (application)

US 38779995 A 19950405; AT 93919106 T 19930819; DE 4227812 A 19920821; EP 9302222 W 19930819; EP 93919106 A 19930819; FI 950762 A 19950220; JP 50590693 A 19930819