

Title (en)

Speed control method for a continuous casting installation.

Title (de)

Verfahren zur Geschwindigkeitssteuerung einer kontinuierlich arbeitenden Giessvorrichtung.

Title (fr)

Procédé de régulation de la vitesse d'une installation de coulée en continu.

Publication

EP 0013539 A1 19800723 (DE)

Application

EP 79810182 A 19791217

Priority

CH 1326878 A 19781229

Abstract (en)

[origin: US4341259A] A method for controlling a casting and rolling mill by measuring the speed of a cast strip between the casting machine and the first following rolling mill and regulating the speed of the casting machine directly proportional to the measured speed of the cast strip. It is thus possible to avoid auxiliary equipment required in prior art systems such as pinch rolls and a continuous furnace between the casting machine and the first following rolling mill. Furthermore no loop on the cast strip is required. As a result, great reductions in capital expenditures, the energy required to operate the line and the necessary space can be obtained.

Abstract (de)

Zwischen einer Giessmaschine (3) und dem ersten, darauffolgenden Walzwerk (7) wird die Geschwindigkeit des Giessbandes (4) gemessen und die Geschwindigkeit der Giessmaschine (3) wird der gemessenen Geschwindigkeit entsprechend geregelt. Es können damit die bisher üblicher. Hilfsaggregate zwischen Giessmaschine (3) und erstem Walzwerk (7) wie Bandtreiber und Durchlauföfen sowie die Bildung einer Bandschleife vermieden und damit die Investitionen, der Energie bedarf und der Raumbedarf herabgesetzt werden.

IPC 1-7

B21B 1/46; **B21B 3/00**; **B22D 11/16**

IPC 8 full level

B21B 37/46 (2006.01); **B21B 1/46** (2006.01); **B21B 3/00** (2006.01); **B21B 37/00** (2006.01); **B21B 37/78** (2006.01); **B22D 11/06** (2006.01); **B22D 11/12** (2006.01); **B22D 11/16** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP US)

B21B 1/463 (2013.01 - EP US); **B21B 3/003** (2013.01 - EP US); **B22D 11/20** (2013.01 - EP US)

Citation (search report)

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EP 0013539 A1 19800723; **EP 0013539 B1 19831109**; AT E5236 T1 19831115; CA 1147527 A 19830607; CH 637047 A5 19830715; DE 2966402 D1 19831215; JP H0130585 B2 19890621; JP S5592220 A 19800712; US 4341259 A 19820727

DOCDB simple family (application)

EP 79810182 A 19791217; AT 79810182 T 19791217; CA 342848 A 19791231; CH 1326878 A 19781229; DE 2966402 T 19791217; JP 17392579 A 19791228; US 10479479 A 19791218