

Title (en)

Method for regulating the continuous casting between rolls

Title (de)

Verfahren zur Regelung des kontinuierlichen Giessens zwischen Walzen

Title (fr)

Procédé de régulation pour la coulée continue entre cylindres

Publication

EP 0719607 A1 19960703 (FR)

Application

EP 95402810 A 19951214

Priority

FR 9415981 A 19941229

Abstract (en)

A method is claimed for the regulation of continuous casting between rolls. During casting the separation force (RSF) of the rolls is measured and the position of the bearings of at least one of the rolls is acted on in order to increase or diminish the inter-axial distance between the rolls. In order to maintain this separation force essentially constant a table of force values (DELTA RSF) is predefined, framing a desired nominal force (RSFo) and position of the bearings are acted on more sharply when the measured force is outside the table of values than when it is within the extreme values in the table.

Abstract (fr)

Procédé de régulation pour la coulée continue entre cylindres, selon lequel, au cours de la coulée, on mesure l'effort d'écartement RSF des cylindres, et on agit sur la position des paliers d'au moins un des cylindres pour augmenter ou diminuer l'entraxe entre les dits cylindres, caractérisé en ce que, en vue de maintenir le dit effort sensiblement constant, on prédéfinit une fourchette de valeurs d'effort (Δ RSF) encadrant un effort nominal (RSFo) souhaité, et on agit sur la position des paliers plus vivement lorsque la valeur de l'effort mesuré est en dehors de la dite fourchette que lorsqu'elle est comprise dans la dite fourchette. Application notamment à la coulée continue entre cylindres de bandes minces en acier.

IPC 1-7

B22D 11/06; **B22D 11/16**

IPC 8 full level

B22D 11/16 (2006.01); **B22D 11/06** (2006.01); **B22D 11/18** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR US)

B22D 11/00 (2013.01 - KR); **B22D 11/0622** (2013.01 - EP US); **B22D 11/20** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0138059 A1 19850424 - HITACHI LTD [JP]
- [AD] EP 0194628 A2 19860917 - HITACHI LTD [JP], et al
- [A] EP 0095352 A2 19831130 - KAWASAKI STEEL CO [JP]
- [A] DE 898135 C 19531126 - REIMITZ ADOLF

Cited by

EP1294507A4; EP1904247A4; EP0841112A1; FR2755385A1; US5927375A; CN1069240C

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

EP 0719607 A1 19960703; **EP 0719607 B1 19990310**; AT E177353 T1 19990315; AU 4074095 A 19960704; AU 686912 B2 19980212; BR 9506132 A 19971223; CA 2165619 A1 19960630; CA 2165619 C 20050208; CN 1069239 C 20010808; CN 1136984 A 19961204; CZ 292139 B6 20030813; CZ 347495 A3 19960717; DE 69508209 D1 19990415; DE 69508209 T2 19991104; DK 0719607 T3 19991004; ES 2129785 T3 19990616; FI 110072 B 20021129; FI 956260 A0 19951227; FI 956260 A 19960630; FR 2728817 A1 19960705; FR 2728817 B1 19970228; GR 3030241 T3 19990831; JP 3702351 B2 20051005; JP H08229640 A 19960910; KR 100359321 B1 20030226; KR 960021275 A 19960718; PL 178754 B1 20000630; PL 312081 A1 19960708; RO 117003 B1 20010928; RU 2141391 C1 19991120; SK 164395 A3 19980204; SK 281955 B6 20010911; TR 199501728 A1 19961021; TW 318804 B 19971101; UA 27990 C2 20001016; US 5706882 A 19980113; ZA 9511031 B 19960711

DOCDB simple family (application)

EP 95402810 A 19951214; AT 95402810 T 19951214; AU 4074095 A 19951228; BR 9506132 A 19951229; CA 2165619 A 19951219; CN 95119458 A 19951228; CZ 347495 A 19951227; DE 69508209 T 19951214; DK 95402810 T 19951214; ES 95402810 T 19951214; FI 956260 A 19951227; FR 9415981 A 19941229; GR 990401331 T 19990519; JP 1695996 A 19960104; KR 19950058751 A 19951227; PL 31208195 A 19951228; RO 9502314 A 19951229; RU 95122411 A 19951228; SK 164395 A 19951222; TR 9501728 A 19951229; TW 85102156 A 19960226; UA 95125446 A 19951222; US 58112995 A 19951229; ZA 9511031 A 19951228