

Title (en)

Method for changing the cross-sectional format of a strand in a continuous casting machine during operation

Title (de)

Verfahren zur Formatdickenänderung des Gussstranges einer Stranggiessanlage im kontinuierlichen Giessbetrieb

Title (fr)

Procédé pour la modification du format de la section d'une barre dans une installation de coulée continue en opération

Publication

**EP 1070559 B1 20050323 (DE)**

Application

**EP 00114705 A 20000708**

Priority

DE 19933635 A 19990717

Abstract (en)

[origin: US6712123B1] In a method for changing the section of a billet of a continuous casting plant during continuous casting, wherein opposed sides of the billet are in contact with oppositely positioned roll supports arranged below a continuous casting die, wherein the roll supports are comprised of segments having rolls, wherein adjoining ones of the segments of each roll support are connected to one another by a jointed connection and wherein each segment is configured to be adjustable independent of the other segments with respect to an angular position relative to the billet, and wherein in an initial position the segments of the roll supports are adjusted to a uniform billet section, a thickness reduction can be achieved by advancing sequentially in a direction of continuous casting the segments toward the billet by moving the jointed connections toward the billet in a controlled sequence of adjusting steps or a thickness increase can be achieved by moving sequentially in a direction of continuous casting the segments away from the billet by moving the jointed connections away from the billet in a controlled sequence of adjusting steps.

IPC 1-7

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

IPC 8 full level

**B22D 11/20** (2006.01); **B22D 11/10** (2006.01); **B22D 11/12** (2006.01); **B22D 11/128** (2006.01)

CPC (source: EP KR US)

**B22D 11/10** (2013.01 - KR); **B22D 11/1206** (2013.01 - EP US); **B22D 11/1281** (2013.01 - EP US)

Cited by

WO02083340A3

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**US 6712123 B1 20040330**; AT E291512 T1 20050415; BR 0002916 A 20010403; CA 2314011 A1 20010117; CA 2314011 C 20081021; CN 1153637 C 20040616; CN 1283534 A 20010214; DE 19933635 A1 20010118; DE 50009839 D1 20050428; EP 1070559 A1 20010124; EP 1070559 B1 20050323; ES 2239971 T3 20051016; JP 2001047206 A 20010220; JP 5027351 B2 20120919; KR 100708776 B1 20070418; KR 20010021096 A 20010315; TW 452514 B 20010901

DOCDB simple family (application)

**US 61509700 A 20000713**; AT 00114705 T 20000708; BR 0002916 A 20000717; CA 2314011 A 20000717; CN 00120111 A 20000717; DE 19933635 A 19990717; DE 50009839 T 20000708; EP 00114705 A 20000708; ES 00114705 T 20000708; JP 2000203916 A 20000705; KR 20000040930 A 20000718; TW 89113376 A 20000706