

Title (en)

METHOD AND DEVICE FOR ADJUSTING ONE OR MORE ROLL SEGMENTS IN A CONTINUOUS CASTING INSTALLATION FOR CASTING METALS, ESPECIALLY FOR STEEL MATERIALS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ANSTELLEN EINES ODER MEHRERER ROLLENSEGMENTE IN EINER STRANGGIESSANLAGE FÜR METALLE, INSBESONDERE FÜR STAHLWERKSTOFFE

Title (fr)

PROCEDE ET DISPOSITIF POUR METTRE EN PLACE AU MOINS UN SEGMENT A ROULEAUX DANS UNE INSTALLATION DE COULEE EN CONTINU POUR METAUX, EN PARTICULIER POUR LES ACIERS

Publication

**EP 1286797 B1 20060628 (DE)**

Application

**EP 01980027 A 20010511**

Priority

- DE 10025452 A 20000523
- EP 0105384 W 20010511

Abstract (en)

[origin: US6779587B2] A method and a device for adjusting one or more roll segments (1) in a continuous casting installation for metals, especially for steel materials, the rolls (1a) of which adjusted in the segment upper frame (2) and the segment lower frame (3) on frame cross members (5) by pairs (4) of hydraulic piston-cylinder units in a position-and/or pressure-controlled manner, wherein an operation for guiding and/or pressing the casting strands (6) is switched from a position-controlled to a pressure-controlled operation when pressure within the respective pair (4) of piston-cylinder units reaches a predetermined maximum value, whereby an improved reaction is effected by operating the piston-cylinder unit of every roll segment (1) in the case of overload, in subsequent steps at a reduced pressure or in a pressureless switching mode until the switching mode is reached in which the segment upper frame (2) can be opened to some extent.

IPC 8 full level

**B22D 11/128** (2006.01); **B22D 11/16** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP KR US)

**B22D 11/128** (2013.01 - EP KR US); **B22D 11/16** (2013.01 - EP US); **B22D 11/208** (2013.01 - EP US)

Cited by

DE102008004910A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 0189742 A1 20011129**; AT E331580 T1 20060715; CN 1253274 C 20060426; CN 1430541 A 20030716; DE 10025452 A1 20011129; DE 50110343 D1 20060810; EP 1286797 A1 20030305; EP 1286797 B1 20060628; JP 2003534135 A 20031118; KR 100738355 B1 20070712; KR 20030003728 A 20030110; US 2003178171 A1 20030925; US 6779587 B2 20040824

DOCDB simple family (application)

**EP 0105384 W 20010511**; AT 01980027 T 20010511; CN 01810111 A 20010511; DE 10025452 A 20000523; DE 50110343 T 20010511; EP 01980027 A 20010511; JP 2001585971 A 20010511; KR 20027013984 A 20010511; US 27693303 A 20030516