

Title (en)

STABILISATION OF THE ROLLED PRODUCT DURING OPENING AND/OR CLOSING OF A ROLL STAND

Title (de)

STABILISIERUNG DES WALZPRODUKTS WÄHREND DES AUF- UND/ODER ZUFAHRENS EINES WALZGERÜSTS

Title (fr)

STABILISATION DU PRODUIT LAMINÉ LORS DE L'OUVERTURE ET/OU DE LA FERMETURE D'UNE CAGE DE LAMINOIR

Publication

**EP 4240544 B1 20240306 (DE)**

Application

**EP 21786887 A 20211004**

Priority

- DE 102020213902 A 20201105
- EP 2021077251 W 20211004

Abstract (en)

[origin: WO2022096206A1] The invention relates to a method for opening and/or closing a roll stand (1) having two working rolls (10) forming a nip (S) in which a rolled product (B) transported in a conveying direction (R) can be formed, wherein the positioning of at least one working roll (10) is variable in a plane perpendicular to the conveying direction (R), and the method comprises the steps of: conveying the rolled product (B) through the nip (S) in the conveying direction (R) and in the process opening or closing the roll stand (1) by correspondingly increasing or decreasing the nip (S); during opening or closing of the roll stand (1), detecting a position of the rolled product (B) before and/or after the nip (S) in the direction transverse to the conveying direction (R); and changing the positioning of the corresponding working roll (10) depending on the detected position, so that the rolled product (B) is stabilised at a target position during opening or closing of the roll stand (1).

IPC 8 full level

**B21B 37/68** (2006.01)

CPC (source: EP US)

**B21B 1/26** (2013.01 - US); **B21B 13/02** (2013.01 - US); **B21B 31/32** (2013.01 - US); **B21B 37/62** (2013.01 - US); **B21B 37/68** (2013.01 - EP US); **B21B 38/00** (2013.01 - US); **B21C 51/00** (2013.01 - EP); **B21B 1/26** (2013.01 - EP); **B21B 31/32** (2013.01 - EP); **B21B 37/62** (2013.01 - EP); **B21B 38/00** (2013.01 - EP); **B21B 2001/225** (2013.01 - EP); **B21B 2013/025** (2013.01 - EP US); **B21B 2273/04** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2022096206 A1 20220512**; CN 116507432 A 20230728; DE 102020213902 A1 20220505; EP 4240544 A1 20230913; EP 4240544 B1 20240306; EP 4240544 C0 20240306; JP 2023551368 A 20231208; US 2023405655 A1 20231221

DOCDB simple family (application)

**EP 2021077251 W 20211004**; CN 202180073385 A 20211004; DE 102020213902 A 20201105; EP 21786887 A 20211004; JP 2023526516 A 20211004; US 202118251705 A 20211004