

Title (en)

COLD ROLLING STOCK IN A ROLLING MILL TRAIN WITH MULTIPLE ROLL STANDS

Title (de)

KALTWALZEN EINES WALZGUTS IN EINER WALZSTRASSE MIT MEHREREN WALZGERÜSTEN

Title (fr)

LAMINAGE À FROID DE PRODUIT DANS UN TRAIN DE LAMINOIRS À MULTIPLES CAGES DE LAMINOIR

Publication

EP 4028181 B1 20230906 (DE)

Application

EP 20768550 A 20200907

Priority

- EP 19196307 A 20190910
- EP 2020074901 W 20200907

Abstract (en)

[origin: WO2021048038A1] The invention relates to a method for cold rolling rolled stock (2) in a mill train (1) with multiple roll stands (3 to 7). An upper limit temperature and/or a lower limit temperature is provided for a rolled stock temperature of the rolled stock (2) for at least one rolling pass, and the rolled stock temperature is controlled and/or regulated by at least one control or regulating measure such that during the at least one rolling pass, the rolled stock temperature does not exceed the upper limit temperature specified for the rolling pass and/or the rolled stock temperature does not fall below the lower limit temperature specified for the rolling pass.

IPC 8 full level

B21B 37/74 (2006.01)

CPC (source: EP KR US)

B21B 1/28 (2013.01 - KR US); **B21B 3/00** (2013.01 - KR US); **B21B 37/46** (2013.01 - KR US); **B21B 37/74** (2013.01 - EP KR US); **B21B 38/006** (2013.01 - KR US); **B21B 45/004** (2013.01 - KR US); **B21B 45/0218** (2013.01 - KR US); **B21B 45/0251** (2013.01 - KR US); **C21D 8/0236** (2013.01 - KR); **B21B 1/28** (2013.01 - EP); **B21B 3/00** (2013.01 - EP); **B21B 37/46** (2013.01 - EP); **B21B 38/006** (2013.01 - EP); **B21B 45/004** (2013.01 - EP); **B21B 45/0218** (2013.01 - EP); **B21B 45/0251** (2013.01 - EP); **B21B 2027/103** (2013.01 - EP KR US); **B21B 2261/20** (2013.01 - EP KR US); **B21B 2275/06** (2013.01 - EP KR US); **C21D 8/0236** (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)

EP 3791971 A1 20210317; CN 114340809 A 20220412; EP 4028181 A1 20220720; EP 4028181 B1 20230906; EP 4028181 C0 20230906; JP 2022546871 A 20221109; JP 7326594 B2 20230815; KR 20220062010 A 20220513; US 2022355356 A1 20221110; WO 2021048038 A1 20210318

DOCDB simple family (application)

EP 19196307 A 20190910; CN 202080063610 A 20200907; EP 2020074901 W 20200907; EP 20768550 A 20200907; JP 2022515752 A 20200907; KR 20227010961 A 20200907; US 202017641477 A 20200907