

Title (en)

ROLL DEVICE FOR ROLLING METAL STRIPS, ROLL ARRANGEMENT FOR USE IN SUCH A ROLL DEVICE, AND METHOD FOR CONVERTING A ROLL DEVICE

Title (de)

WALZVORRICHTUNG ZUM WALZEN VON METALLENEN BÄNDERN, WALZENANORDNUNG ZUR VERWENDUNG IN EINER SOLCHEN WALZVORRICHTUNG SOWIE VERFAHREN ZUM UMRÜSTEN EINER WALZVORRICHTUNG

Title (fr)

DISPOSITIF DE LAMINAGE DESTINÉ AU LAMINAGE DE BANDES MÉTALLIQUES, SYSTÈME DE LAMINAGE À UTILISER DANS UN TEL DISPOSITIF DE LAMINAGE ET PROCÉDÉ DE TRANSFORMATION D'UN DISPOSITIF DE LAMINAGE

Publication

**EP 4247573 A1 20230927 (DE)**

Application

**EP 21782464 A 20210920**

Priority

- DE 102020214383 A 20201117
- EP 2021075740 W 20210920

Abstract (en)

[origin: WO2022106093A1] The invention relates to a roll device (1) for rolling metal strips, comprising at least a first and a second work roll (4, 6, 6') which define a roll gap (W) therebetween, and at least a first and a second support roll (11, 12), wherein: in a common rolling stand (2), at least one work roll (4, 6') is mounted in work roll chocks (5, 9') and the support rolls (11, 12) are mounted in support roll chocks (13, 14); the work roll chocks (5, 9') are designed such that the first and/or the second work roll (4, 6') can each be replaced by a roll arrangement (10) having a work roll (6) with a smaller diameter and at least one additional roll (8); and the work roll (6) with the smaller diameter is supported via the additional roll (8), the additional roll is mounted in additional roll chocks (7), and the work roll with the smaller diameter is situated in work roll bearings (9) of the additional roll chocks (7). The invention also relates to a roll arrangement (10) for use in such a roll device (1), and to a method for converting a roll device (1).

IPC 8 full level

**B21B 31/10** (2006.01)

CPC (source: EP US)

**B21B 13/02** (2013.01 - US); **B21B 31/10** (2013.01 - EP US); **B23P 6/00** (2013.01 - US); **B21B 13/02** (2013.01 - EP); **B21B 2267/06** (2013.01 - US)

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022106093 A1 20220527**; CN 116457116 A 20230718; DE 102020214383 A1 20220519; EP 4247573 A1 20230927; JP 2023550065 A 20231130; US 2023415211 A1 20231228

DOCDB simple family (application)

**EP 2021075740 W 20210920**; CN 202180077081 A 20210920; DE 102020214383 A 20201117; EP 21782464 A 20210920; JP 2023528628 A 20210920; US 202118037074 A 20210920