

Title (en)

RADIAL-AXIAL RING ROLLING MILL FOR ROLLING A RING

Title (de)

RADIAL-AXIAL-RINGWALZWERK ZUM WALZEN EINES RINGES

Title (fr)

LAMINOIR CIRCULAIRE RADIAL-AXIAL DESTINÉ À LAMINER UNE BAGUE

Publication

**EP 3678799 B1 20210929 (DE)**

Application

**EP 18762764 A 20180822**

Priority

- DE 102017008449 A 20170908
- EP 2018000409 W 20180822

Abstract (en)

[origin: WO2019048076A1] The invention relates to a radial-axial ring rolling mill for rolling a ring, comprising an axial rolling device (11) and a radial rolling device (12). The radial rolling device (12) comprises a main roll (14) and a roller mandrel (15) between which the ring can be reshaped. The roller mandrel (15) is held in its upper region on a mandrel bearing head (16) which is mounted in a horizontally adjustable manner in a first linear adjustment device (17) such that the roller mandrel (15) can be moved perpendicular to its longitudinal extension in the direction of the main roll (14) and opposite thereto. According to the invention, the first linear adjustment device (17), together with the mandrel bearing head (16) and the roller mandrel (15) as a unit, can be vertically adjusted by means of a second linear adjustment device (18) such that the roller mandrel (15) can be pulled out of the interior of the ring and can be inserted into same.

IPC 8 full level

**B21H 1/06** (2006.01)

CPC (source: EP RU US)

**B21B 13/08** (2013.01 - RU); **B21B 31/02** (2013.01 - RU); **B21H 1/06** (2013.01 - EP RU US); **B21B 13/08** (2013.01 - US); **B21B 31/02** (2013.01 - US); **B21H 1/12** (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

DOCDB simple family (publication)

**WO 2019048076 A1 20190314**; BR 112020001899 A2 20200728; BR 112020001899 B1 20231121; CN 111093856 A 20200501; DE 102017008449 A1 20190314; EP 3678799 A1 20200715; EP 3678799 B1 20210929; JP 2020533174 A 20201119; JP 7194726 B2 20221222; RU 2020108467 A 20211008; RU 2020108467 A3 20211008; RU 2761021 C2 20211202; US 11077482 B2 20210803; US 2020261962 A1 20200820

DOCDB simple family (application)

**EP 2018000409 W 20180822**; BR 112020001899 A 20180822; CN 201880057068 A 20180822; DE 102017008449 A 20170908; EP 18762764 A 20180822; JP 2020513681 A 20180822; RU 2020108467 A 20180822; US 201816644742 A 20180822