

Title (en)

ROLLING MILL, METHOD FOR MANUFACTURING ROLLING MILL, AND METHOD FOR MODIFYING ROLLING MILL

Title (de)

WALZWERK, VERFAHREN ZUR HERSTELLUNG EINES WALZWERKS UND VERFAHREN ZUR ÄNDERUNG DES WALZWERKS

Title (fr)

LAMINOIR, PROCÉDÉ DE FABRICATION DE LAMINOIR, ET PROCÉDÉ DE MODIFICATION DE LAMINOIR

Publication

EP 4019156 A1 20220629 (EN)

Application

EP 20930355 A 20200407

Priority

JP 2020015731 W 20200407

Abstract (en)

A rolling mill includes: bending cylinders 740, 741, and 744 for applying a bending force vertically to bearing housings 712 and 713 to thereby cause work rolls 710 and 711 to perform bending; a backlash elimination cylinder 760 for applying a pressing force in a rolling direction to the bearing housings 712 and 713; and members 712A and 713A disposed between the bending cylinder 741 and the bearing housings 712 and 713, and receiving the bending force from the bending cylinder 744. The bending cylinders 740 and 741 and the backlash elimination cylinder 760 are disposed axially on one of the entry and exit sides in the rolling direction, and the bending cylinder 741 and the members 712A and 713A are disposed on the other of the entry and exit sides in the rolling direction.

IPC 8 full level

B21B 29/00 (2006.01); **B21B 31/02** (2006.01)

CPC (source: EP)

B21B 29/00 (2013.01); **B21B 13/142** (2013.01); **B21B 31/18** (2013.01); **B21B 2269/04** (2013.01); **B21B 2269/14** (2013.01)

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

DOCDB simple family (publication)

EP 4019156 A1 20220629; **EP 4019156 A4 20220831**; **EP 4019156 B1 20231213**; CN 114340811 A 20220412; WO 2021205548 A1 20211014

DOCDB simple family (application)

EP 20930355 A 20200407; CN 202080061113 A 20200407; JP 2020015731 W 20200407