

Title (en)

CONTINUOUS CASTING AND ROLLING APPARATUS AND CONTINUOUS CASTING AND ROLLING METHOD

Title (de)

STRANGGIESS- UND WALZVORRICHTUNG SOWIE STRANGGIESS- UND WALZVERFAHREN

Title (fr)

APPAREIL DE COULÉE CONTINUE ET DE LAMINAGE ET PROCÉDÉ DE COULÉE CONTINUE ET DE LAMINAGE

Publication

EP 3705198 A1 20200909 (EN)

Application

EP 18874056 A 20181102

Priority

- KR 20170145823 A 20171103
- KR 2018013277 W 20181102

Abstract (en)

A continuous casting and rolling apparatus according to an embodiment of the present invention may include: a continuous casting device; a cutting device that is disposed at the output side of the continuous casting device and cuts an inner slab produced from the continuous casting device; a rolling device pressing down on the slab and disposed downstream of the continuous casting device in the moving direction of the inner slab; a tunnel furnace which is disposed between the cutting device and the rolling device and heats the slab disposed on the main path of the inner slab that is transferred from the continuous casting device to the rolling device; and a loading adjustment unit which is disposed adjacent to the tunnel furnace and unloads the slab from the main path from the outlet side of the tunnel furnace and loads the slab onto the main path from the inlet side of the tunnel furnace.

IPC 8 full level

B21B 1/46 (2006.01); **B21B 15/00** (2006.01); **B21B 39/02** (2006.01); **B21B 45/00** (2006.01); **B22D 11/12** (2006.01)

CPC (source: EP KR US)

B21B 1/466 (2013.01 - EP KR US); **B21B 15/0007** (2013.01 - KR US); **B21B 39/02** (2013.01 - KR US); **B21B 45/004** (2013.01 - KR US); **B22D 11/12** (2013.01 - EP); **B22D 11/1213** (2013.01 - KR US); **B22D 11/126** (2013.01 - US); **B21B 39/02** (2013.01 - EP); **B21B 45/004** (2013.01 - EP); **B21B 45/04** (2013.01 - EP); **B21B 2015/0014** (2013.01 - EP)

Cited by

WO2023186471A1

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 3705198 A1 20200909; **EP 3705198 A4 20201223**; **EP 3705198 B1 20220601**; CN 111315502 A 20200619; JP 2021501056 A 20210114; JP 6845972 B2 20210324; KR 101998966 B1 20190710; KR 20190050430 A 20190513; US 2020331045 A1 20201022; WO 2019088771 A1 20190509

DOCDB simple family (application)

EP 18874056 A 20181102; CN 201880071807 A 20181102; JP 2020543446 A 20181102; KR 20170145823 A 20171103; KR 2018013277 W 20181102; US 201816759046 A 20181102