

Title (en)

CONTINUOUS CASTING-ROLLING EQUIPMENT CAPABLE OF SWITCHING BETWEEN CONTINUOUS AND BATCH ROLLING

Title (de)

STRANGGIESS-WALZVORRICHTUNG ZUM UMSCHALTEN ZWISCHEN DAUER- UND DISKONTINUIERLICHEM WALZEN

Title (fr)

ÉQUIPEMENT DE COULÉE-LAMINAGE CAPABLE DE PASSER D'UN MODE CONTINU À UN MODE DISCONTINU

Publication

EP 3238842 A1 20171101 (EN)

Application

EP 15873410 A 20150429

Priority

- KR 20140189084 A 20141224
- KR 2015004349 W 20150429

Abstract (en)

The present invention provides continuous casting-milling equipment and method capable of switching between continuous and batch milling, which increase the process yield rate by reducing the portion which is unavoidably processed as scrap, when switching casting or at an initial stage. The continuous casting-milling equipment comprises: a casting unit; at least two rolling units; and a coil box arranged between the rolling units. The continuous casting-milling method comprises: a casting step for producing a slab; a first rolling step which reduces the thickness of the slab; a cutting step of cutting a predetermined distance from a front end portion of the slab at the initial stage of casting; a passing step of passing the continuously supplied slab through the coil box; and a second rolling step which reduces the thickness of the passed slab.

IPC 8 full level

B21B 1/46 (2006.01); **B21B 37/16** (2006.01); **B21B 37/74** (2006.01)

CPC (source: EP KR)

B21B 1/46 (2013.01 - KR); **B21B 1/463** (2013.01 - EP); **B21B 37/16** (2013.01 - KR); **B21B 37/74** (2013.01 - KR); **B21B 37/74** (2013.01 - EP); **B21B 38/006** (2013.01 - EP); **B21B 2015/0057** (2013.01 - EP); **B21B 2015/0064** (2013.01 - EP); **B21B 2201/08** (2013.01 - EP); **B21B 2201/10** (2013.01 - EP); **B21B 2261/20** (2013.01 - EP); **B21B 2265/14** (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3238842 A1 20171101; **EP 3238842 A4 20171213**; **EP 3238842 B1 20190710**; CN 107107134 A 20170829; CN 107107134 B 20190611; JP 2018500178 A 20180111; JP 6599462 B2 20191030; KR 101594716 B1 20160217; WO 2016104882 A1 20160630; WO 2016104882 A8 20161222

DOCDB simple family (application)

EP 15873410 A 20150429; CN 201580070515 A 20150429; JP 2017533755 A 20150429; KR 20140189084 A 20141224; KR 2015004349 W 20150429