

Title (en)

CASTING AND ROLLING ASSEMBLY AND METHOD FOR OPERATING THE SAME

Title (de)

GIESS-WALZ-ANLAGE UND VERFAHREN ZU DEREN BETRIEB

Title (fr)

INSTALLATION DE COULÉE ET DE LAMINAGE ET PROCÉDÉ POUR LA FAIRE FONCTIONNER

Publication

EP 3291933 A1 20180314 (DE)

Application

EP 16720393 A 20160427

Priority

- DE 102015208434 A 20150506
- DE 102015210865 A 20150612
- EP 2016059370 W 20160427

Abstract (en)

[origin: WO2016177611A1] The invention relates to a casting and rolling system (1) for producing metal strips (2), wherein the metal strip (2) passes through the casting and rolling system (1) in a conveying direction (F), comprising: a casting machine (3) comprising a permanent mold having vertical output for generating a cast strand, and a strand guide (4) connected downstream of the permanent mold in the conveying direction (F) for redirecting the cast strand from the vertical to the horizontal, a connection system (5) located downstream of the strand guide (4) in the conveying direction (F), which comprises at least one straightening driver unit (6) for pulling the cast strand from the strand guide (4), and a furnace (7) for heating the cast strand, and a rolling mill (8) that is located downstream of the connection system (5) in the conveying direction (F) for rolling the cast strand into a metal strip (2). In order to be able to produce high-quality metal strips at low investment and operating costs, the strand guide (4) according to the invention has a single or two roller segments, wherein the rollers thereof provided for strand guidance are free of a drive. The invention further relates to a method for operating such a casting and rolling system.

IPC 8 full level

B22D 11/128 (2006.01); **B21B 1/46** (2006.01); **B21B 13/22** (2006.01); **B22D 11/14** (2006.01)

CPC (source: EP)

B21B 1/46 (2013.01); **B21B 13/22** (2013.01); **B22D 11/1282** (2013.01); **B22D 11/142** (2013.01)

Citation (search report)

See references of WO 2016177611A1

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)

WO 2016177611 A1 20161110; DE 102015210865 A1 20161110; EP 3291933 A1 20180314; EP 3291933 B1 20190619; JP 2018515344 A 20180614

DOCDB simple family (application)

EP 2016059370 W 20160427; DE 102015210865 A 20150612; EP 16720393 A 20160427; JP 2017557345 A 20160427