

Title (en)
CASTING-ROLLING SYSTEM FOR BATCH AND CONTINUOUS OPERATION

Title (de)
GIEß-WALZANLAGE FÜR DEN BATCH- UND ENDLOS BETRIEB

Title (fr)
INSTALLATION DE COULÉE ET DE LAMINAGE DESTINÉE AU FONCTIONNEMENT PAR LOTS ET CONTINU

Publication
EP 3797006 A1 20210331 (DE)

Application
EP 19728590 A 20190523

Priority
• DE 102018208122 A 20180523
• DE 102019207459 A 20190521
• EP 2019063324 W 20190523

Abstract (en)
[origin: WO2019224305A1] The invention relates to a casting-rolling system (1) for generating a thin or ultra-thin band from a cast thin slab made of steel in batch or continuous operation, comprising at least one casting system (2a, 2b) for casting a thin slab with a casting thickness from 90 mm to 150 mm, preferably from 90 mm to 140 mm, particularly preferably from 100 mm to 130 mm, and a casting width of at least 600 mm, preferably at least 1000 mm, at least one continuous furnace (7a, 7b) arranged downstream of the at least one casting system (2a, 2b), as well as at least 7, preferably 8 roll stands (9, 10, 14, 15, 16, 17, 18, 19, 20) arranged downstream of the continuous furnace (7a, 7b), wherein the at least one casting system (2a, 2b) comprises a casting mould (3a, 3b) with long sides spaced apart from one another by at least 90 mm to 150 mm, preferably 90 mm to 140 mm, particularly preferably 100 mm to 130 mm, and wherein the casting-rolling system (1) has no induction heater for reheating the cast thin slab and/or the rolled band. The invention also relates to a method for generating a thin or ultra-thin band, preferably by means of a casting-rolling system (1) of this type, wherein the thin slab and/or the band does not undergo any induction heating during the method for generating the thin or ultra-thin band.

IPC 8 full level
B21B 1/46 (2006.01)

CPC (source: EP US)
B21B 1/26 (2013.01 - US); **B21B 1/463** (2013.01 - EP); **B22D 11/0408** (2013.01 - EP US); **B22D 11/05** (2013.01 - EP US); **B22D 11/1213** (2013.01 - EP US); **B22D 11/142** (2013.01 - EP US); **C21D 1/28** (2013.01 - US); **C21D 8/0205** (2013.01 - US); **C21D 8/0226** (2013.01 - US); **C21D 9/56** (2013.01 - US); **B21B 45/004** (2013.01 - EP); **B21B 2201/08** (2013.01 - EP); **B21B 2201/10** (2013.01 - EP); **B21B 2261/04** (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)
DE 102019207459 A1 20191128; CN 112218730 A 20210112; CN 112218730 B 20240130; EP 3797006 A1 20210331; EP 3797006 B1 20240717; JP 2021524809 A 20210916; US 2021121924 A1 20210429; WO 2019224305 A1 20191128

DOCDB simple family (application)
DE 102019207459 A 20190523; CN 201980034192 A 20190523; EP 19728590 A 20190523; EP 2019063324 W 20190523; JP 2020565263 A 20190523; US 201917056783 A 20190523