

Title (en)

SYSTEM AND METHOD FOR PRODUCING METAL HOT-ROLLED STRIP

Title (de)

ANLAGE UND VERFAHREN ZUR HERSTELLUNG VON METALLISCHEM WARMBAND

Title (fr)

INSTALLATION ET PROCÉDÉ POUR FABRIQUER UN FEUILLARD À CHAUD MÉTALLIQUE

Publication

EP 3941655 B1 20231227 (DE)

Application

EP 20712883 A 20200313

Priority

- DE 102019203654 A 20190318
- DE 102019220033 A 20191218
- EP 2020056930 W 20200313

Abstract (en)

[origin: WO2020187774A1] The invention relates to a system (A) for producing metal hot-rolled strip (B), comprising: a hot-rolling line for carrying out one or more rolling passes, the hot-rolling line having at least two roll stands n-1, n, which are arranged one behind the other in the conveying direction (F) of the hot-rolled strip (B); and a cooling device, the cooling device having at least one first upper rapid-cooling spray bar (SK1o) for discharging a cooling medium (W) onto the top side (O) of the hot-rolled strip (B) between the (n-1)th roll stand and the nth roll stand, and the cooling device having at least one first lower rapid-cooling spray bar (SK1u) for discharging the cooling medium (W) onto the bottom side (U) of the hot-rolled strip (B) between the (n-1)th roll stand and the nth roll stand. The system is characterized in that the cooling device is designed to cover at least 30 percent of the length (L) of the hot-rolled strip (B) between the (n-1)th roll stand and the nth roll stand with the cooling medium (W). The invention further relates to a method for producing metal hot-rolled strip (B) using said system.

IPC 8 full level

B21B 45/02 (2006.01)

CPC (source: EP)

B21B 45/0218 (2013.01); **C21D 8/0205** (2013.01); **B21B 37/74** (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

DOCDB simple family (publication)

DE 102019220033 A1 20200924; EP 3941655 A1 20220126; EP 3941655 B1 20231227; EP 3941655 C0 20231227; WO 2020187774 A1 20200924

DOCDB simple family (application)

DE 102019220033 A 20191218; EP 2020056930 W 20200313; EP 20712883 A 20200313