

Title (en)
PLANISHING ROLL, METHOD FOR PLANISHING A FLAT PRODUCT THEREWITH AND FLAT PRODUCT THEREFROM

Title (de)
DRESSIERARBEITSWALZE, VERFAHREN ZUM DRESSIEREN EINES FLACHPRODUKTES HIERMIT UND FLACHPRODUKT HIERAUS

Title (fr)
CYLINDRE DE TRAVAIL D'ÉCROUISSAGE, PROCÉDÉ POUR L'ÉCROUISSAGE D'UN PRODUIT PLAT À L'AIDE DE CELUI-CI ET PRODUIT PLAT AINSI OBTENU

Publication
EP 3416760 A1 20181226 (DE)

Application
EP 17704763 A 20170213

Priority
• DE 102016102723 A 20160216
• EP 2017053110 W 20170213

Abstract (en)
[origin: WO2017140605A1] The invention relates to a planishing roll having a surface structure, in particular for producing flat products from a metallic material, in particular from a steel material. In order to devise an improved planishing roll having a surface structure, the surface structure according to the invention has a material ratio of 2% at a depth of 0.2 µm to 9 µm, preferably at a depth of 0.8 µm to 5.5 µm, the depth is measured, starting from a zero line, in the direction of an axis of rotation of the planishing roll, the zero line runs parallel to the axis of rotation of the planishing roll and, starting from the surface of the planishing roll, the zero line is displaced in the direction of the axis of rotation of the planishing roll until the material ratio of the planishing roll is 0.1%. The invention further relates to a method for planishing a flat product made of a metallic material, in particular from a steel material, by using said planishing roll, and to a flat product produced by said method.

IPC 8 full level
B21B 1/22 (2006.01); **B21B 27/00** (2006.01)

CPC (source: EP KR US)
B21B 1/227 (2013.01 - EP KR US); **B21B 27/005** (2013.01 - EP KR US); **B21B 2261/14** (2013.01 - EP KR US);
B21B 2267/10 (2013.01 - EP KR US)

Citation (search report)
See references of WO 2017140605A1

Cited by
DE102022122775A1; WO2024052449A1; DE102022122772A1; WO2024052447A1; DE102022122773A1; WO2024052448A1;
DE102022122771A1; WO2024052446A1

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 102016102723 B3 20170601; EP 3416760 A1 20181226; EP 3416760 B1 20200429; KR 102189421 B1 20201211;
KR 20180113533 A 20181016; RU 2705187 C1 20191105; US 2019176198 A1 20190613; US 2020368800 A1 20201126;
WO 2017140605 A1 20170824

DOCDB simple family (application)
DE 102016102723 A 20160216; EP 17704763 A 20170213; EP 2017053110 W 20170213; KR 20187023553 A 20170213;
RU 2018129885 A 20170213; US 201715999453 A 20170213; US 202016990663 A 20200811