

Title (en)
STRAIGHTENING MACHINE, MAINTENANCE DEVICE AND METHOD FOR MAKING STRAIGHTENING ROLLS ACCESSIBLE FOR THE MAINTENANCE OF A STRAIGHTENING MACHINE

Title (de)
RICHTMASCHINE, WARTUNGSEINRICHTUNG UND VERFAHREN ZUM ZUGÄNGLICHMACHEN VON RICHTWALZEN FÜR DIE WARTUNG EINER RICHTMASCHINE

Title (fr)
MACHINE À DRESSER, AGENCEMENT D'ENTRETIEN ET PROCÉDÉ PERMETTANT DE RENDRE LES ROULEAUX DE DRESSAGE ACCESSIBLES POUR L'ENTRETIEN D'UNE MACHINE À DRESSER

Publication
EP 3782745 B1 20220601 (DE)

Application
EP 20191935 A 20200820

Priority
DE 102019122749 A 20190823

Abstract (en)
[origin: CN112404171A] The present disclosure relates to a straightener, a maintenance device and a method for making straightening rolls accessible for the maintenance of the straightener. The straightener has a plurality of upper straightening rolls arranged on an upper roll stand and a plurality of lower straightening rolls arranged on a lower roll stand, the upper straightening rolls and the lower straightening rolls being arranged such that, in a working area, a straightening gap is formed between the inlet and the outlet of the straightener in order to act on a metal strip or a metal part to be straightened from above and from below and to guide the metal strip or the metal part in the working direction through the straightener from the inlet to the outlet. The straightener has a lower sliding plate, the lower sliding plate enables the lower straightening rollers to be moved out of and into the working area of the straightener transversely to the working direction on the operation side of the straightener. The straightener is provided with a replacement edge frame used for being inserted into the straightening gap, and the replacement edge frame is configured such that when the lower sliding plate is moved out of the working area, the replacement edge frame can be placed on the lower straightening rollers and the upper straightening rollers can be placed on the replacement edge frame.

IPC 8 full level
B21D 1/02 (2006.01); **B21D 37/14** (2006.01)

CPC (source: CN EP)
B21B 31/10 (2013.01 - CN); **B21D 1/02** (2013.01 - CN EP); **B21D 37/14** (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

DOCDB simple family (publication)
EP 3782745 A1 20210224; **EP 3782745 B1 20220601**; CN 112404171 A 20210226; DE 102019122749 A1 20210225; PL 3782745 T3 20220829; RU 2020127873 A 20220221

DOCDB simple family (application)
EP 20191935 A 20200820; CN 202010856495 A 20200824; DE 102019122749 A 20190823; PL 20191935 T 20200820; RU 2020127873 A 20200821