

Title (en)
MULTI-FLEXIBLE ROLLING MILL

Title (de)
MULTIFLEXIBLE WALZANLAGE

Title (fr)
LAMINOIR MULTIFLEXIBLE

Publication
EP 3691803 A1 20200812 (DE)

Application
EP 18758592 A 20180821

Priority
• DE 102017217766 A 20171006
• DE 102018207026 A 20180507
• EP 2018072469 W 20180821

Abstract (en)
[origin: WO2019068388A1] The invention relates to a system for continuously pickling and/or cold rolling metal strips, having a pickling region and a cold rolling region. The pickling region has an unwinding device, a welding device, a pickling device, and a winding device, and the cold rolling region has at least one pair of working rollers for rolling a metal strip to be rolled and a winding device for winding the rolled metal strip. The system has strip guiding elements which are arranged and designed such that in a coupled operation, the pickling region and the cold rolling region are coupled in terms of guiding a metal strip such that a continuous metal strip that is pickled in the pickling region can be supplied to the cold rolling region for rolling purposes and which are arranged and designed such that in an uncoupled operation, the pickling region and the cold rolling region are uncoupled in terms of guiding a metal strip.

IPC 8 full level
B21B 1/28 (2006.01)

CPC (source: EP)
B21B 1/28 (2013.01); **B21B 1/36** (2013.01); **B21B 15/0085** (2013.01)

Citation (search report)
See references of WO 2019068388A1

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 2019068388 A1 20190411; CN 111182978 A 20200519; CN 111182978 B 20220527; DE 102018207026 A1 20190411; EP 3691803 A1 20200812; EP 3691803 B1 20210519; JP 2020535018 A 20201203; JP 7029524 B2 20220303

DOCDB simple family (application)
EP 2018072469 W 20180821; CN 201880064603 A 20180821; DE 102018207026 A 20180507; EP 18758592 A 20180821; JP 2020517193 A 20180821