

Title (en)
ROLLING MILL STAND

Title (de)
WALZGERUEST

Title (fr)
CAGE DE LAMINOIR

Publication
EP 4011513 B1 20230802 (DE)

Application
EP 21178202 A 20210608

Priority
AT 510702020 A 20201209

Abstract (en)
[origin: CN113275382A] The invention relates to a roll stand with a pair of working rolls (1, 2) for rolling a metal strip (B), with intermediate rolls (3, 4) and supporting rolls (5, 6). The roll stand is laterally supported by means of support systems (30, 31, 32, 33), each support system (30, 31, 32, 33) being able to be applied with a support force directed along the working rolls (1, 2) by means of a force generating device and being able to be transferred from a rest position into an operating position. According to the invention, the two working rolls (1, 2) can be replaced by working rolls (1', 2') having a further diameter, wherein, for this purpose, only the support system (30, 31, 32, 33) needs to be replaced by a support system (30', 31', 32', 33') having support rolls (8', 9', 10', 11') having a further diameter without replacing the intermediate rolls (3, 4) and the support rolls (5, 6).

IPC 8 full level
B21B 13/14 (2006.01); **B21B 31/08** (2006.01)

CPC (source: AT CN EP KR US)
B21B 13/02 (2013.01 - KR); **B21B 13/145** (2013.01 - AT EP); **B21B 13/147** (2013.01 - CN); **B21B 13/16** (2013.01 - US);
B21B 13/18 (2013.01 - KR); **B21B 29/00** (2013.01 - CN); **B21B 31/02** (2013.01 - CN); **B21B 31/028** (2013.01 - KR);
B21B 31/08 (2013.01 - AT CN EP); **B21B 31/10** (2013.01 - AT); **B21B 31/10** (2013.01 - EP); **B21B 31/14** (2013.01 - EP);
B21B 2013/021 (2013.01 - KR); **B21B 2267/06** (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 4011513 A1 20220615; EP 4011513 B1 20230802; EP 4011513 C0 20230802; AT 523437 A4 20210815; AT 523437 B1 20210815;
CN 113275382 A 20210820; CN 113275382 B 20230228; ES 2964102 T3 20240404; HR P20231269 T1 20240202;
KR 20220081875 A 20220616; PL 4011513 T3 20240122; RS 64674 B1 20231130; US 11607718 B2 20230321; US 2022176430 A1 20220609

DOCDB simple family (application)
EP 21178202 A 20210608; AT 510702020 A 20201209; CN 202110644300 A 20210609; ES 21178202 T 20210608; HR P20231269 T 20210608;
KR 20210074194 A 20210608; PL 21178202 T 20210608; RS P20230917 A 20210608; US 202117333301 A 20210528