

Title (en)
ROLLING MILL EQUIPPED WITH ELECTROMAGNETIC ACTUATORS

Title (de)
WALZWERK MIT ELEKTROMAGNETISCHEN AKTUATOREN

Title (fr)
LAMINOIR ÉQUIPÉ D'ACTIONNEURS ÉLECTROMAGNÉTIQUES

Publication
EP 4360773 A1 20240501 (EN)

Application
EP 23205989 A 20231026

Priority
IT 202200022383 A 20221031

Abstract (en)
A rolling mill for hot deformation of circular-shaped materials is described, comprising at least one radial roller (1), one or more axial conical rollers (2), a plurality of centering rollers (3), a mandrel (4) and a radial electromagnetic actuator (10), the mandrel (4) and the axial conical rollers (2) being configured to be operatively moved along a first linear axis (5) and along a second linear axis (5') perpendicular to the first linear axis (5), the plurality of centering means (3) being configured to be operatively moved along the first linear axis (5), the radial electromagnetic actuator being configured to control the spindle (4) to carry out its operative movement along the its first linear axis (5).

IPC 8 full level
B21H 1/06 (2006.01)

CPC (source: EP)
B21H 1/06 (2013.01)

Citation (applicant)

- FR 568815 A 19240402 - ADOLF KREUSER
- SU 698710 A1 19791125 - MO VYSSHEE TEKHNICHESKOE UCHIL [SU]
- DE 3824856 A1 19900125 - KYOEI SEIKO CO [JP]
- US 2020261962 A1 20200820 - OBERMAIER GEORG [DE], et al
- EP 3300814 A1 20180404 - FORGE PAT GMBH [CH]

Citation (search report)

- [Y] FR 568815 A 19240402 - ADOLF KREUSER
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- [Y] DE 3824856 A1 19900125 - KYOEI SEIKO CO [JP]
- [Y] US 2020261962 A1 20200820 - OBERMAIER GEORG [DE], et al
- [Y] EP 3300814 A1 20180404 - FORGE PAT GMBH [CH]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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