Title (en)

MULTI-STAND ROLLING MILL FOR ROD-SHAPED BODIES COMPRISING MILL STANDS WITH FOUR MOTORIZED ROLLS

Title (de)

MEHRGERÜSTIGES WALZWERK FÜR STABFÖRMIGE KÖRPER MIT WALZGERÜSTEN MIT VIER ANGETRIEBENEN ROLLEN

Title (fr)

LAMINOIR À CAGES MULTIPLES DESTINÉ À DES CORPS EN FORME DE TIGE COMPRENANT DES CAGES DE LAMINOIR DOTÉES DE QUATRE ROULEAUX MOTORISÉS

Publication

EP 3525946 B1 20201125 (EN)

Application

EP 17797186 A 20171013

Priority

- IT 201600103504 A 20161014
- IB 2017056347 W 20171013

Abstract (en)

[origin: WO2018069876A1] The present invention relates to a rolling mill (1) for tubular bodies comprising rolling mills (10) with four rolls. The rolling mill comprises a structure defining a housing (4) for the mill stands (10) and a plurality of drive shafts (31, 32, 33, 34) for rotating a corresponding roll (11, 12, 13, 14) for each mill stand. Each drive shaft (31, 32, 33, 34) extends in reversible manner from a retracted configuration, in which it is operatively disconnected from said corresponding roll (11, 12, 13, 14), to an extended configuration, in which it is operatively connected to said corresponding roll (11, 12, 13, 14). According to the invention, each drive shaft (31, 32, 33, 34) is actuated independently from the other drive shafts and at least one of said drive shafts, when it is in said retracted configuration, is inclinable between a first reference position and a second reference position, so that said at least one drive shaft is outside the space comprised between the two planes which vertically delimit the housing (4).

IPC 8 full level

B21B 23/00 (2006.01); **B21B 35/04** (2006.01)

CPC (source: EP)

B21B 35/04 (2013.01); B21B 17/04 (2013.01); B21B 17/14 (2013.01); B21B 23/00 (2013.01); B21B 31/20 (2013.01); B21B 35/025 (2013.01); B21B 2013/025 (2013.01)

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)

WO 2018069876 A1 20180419; EP 3525946 A1 20190821; EP 3525946 B1 20201125; IT 201600103504 A1 20180414

DOCDB simple family (application)

IB 2017056347 W 20171013; EP 17797186 A 20171013; IT 201600103504 A 20161014