

Title (en)

DEVICE FOR DRIVING MATERIAL TO BE ROLLED ON VERTICAL ROLLING MILL CAGES

Title (de)

WALZGUTFÜHRUNGSEINRICHTUNG AN VERTIKALWALZGERÜSTEN

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT DE MATIÈRE À LAMINER SUR DES CAGES DE LAMINOIR VERTICALES

Publication

EP 1434658 A1 20040707 (DE)

Application

EP 02779422 A 20020926

Priority

- DE 10150146 A 20011011
- EP 0210776 W 20020926

Abstract (en)

[origin: WO03033184A1] The invention concerns a device for driving material to be rolled on vertical rolling mill cages (WG), said device comprising on both sides two vertical rolls (VW), above the rollers (RR) of the line supplying and removing the material to be rolled and transversely to the rolling direction, supports (TR) of vertical driving plates for the material to be rolled, said supports capable of being displaced, adjusted and fixed. The invention is characterized in that the rear part of said support (TR) of the driving plates (FP) is connected to the element for linear adjustment of a mechanically or hydraulically actuated displacement device, which is fixed to the bearing (LK) of the vertical roll. Said support (TR) is guided by a collar in a guide sliding track (FK), fixedly connected to the rolling mill cage and located projecting from the line of rollers, parallel to the axis of the rollers.

IPC 1-7

B21B 39/16

IPC 8 full level

B21B 39/14 (2006.01); **B21B 13/06** (2006.01); **B21B 39/16** (2006.01)

CPC (source: EP US)

B21B 39/16 (2013.01 - EP US); **B21B 13/06** (2013.01 - EP US)

Citation (search report)

See references of WO 03033184A1

Cited by

WO2021052738A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03033184 A1 20030424; **WO 03033184 A8 20031009**; AT E289232 T1 20050315; AU 2002342762 A1 20030428; CN 1304132 C 20070314; CN 1568233 A 20050119; DE 10150146 A1 20030417; DE 50202296 D1 20050324; EP 1434658 A1 20040707; EP 1434658 B1 20050216; JP 2005505425 A 20050224; JP 4671603 B2 20110420; UA 77979 C2 20070215; US 2004244456 A1 20041209; US 6959805 B2 20051101

DOCDB simple family (application)

EP 0210776 W 20020926; AT 02779422 T 20020926; AU 2002342762 A 20020926; CN 02820236 A 20020926; DE 10150146 A 20011011; DE 50202296 T 20020926; EP 02779422 A 20020926; JP 2003535963 A 20020926; UA 20040503455 A 20020926; US 49193404 A 20040406