

Title (en)  
APPARATUS FOR ADJUSTING WORKING ROLLS TO THE ROLLING LINE

Title (de)  
VORRICHTUNG ZUM ANGLEICHEN VON ARBEITSWALZEN AN DIE WALZLINIE

Title (fr)  
DISPOSITIF POUR ALIGNER DES CYLINDRES DE TRAVAIL SUR UNE LIGNE DE LAMINOIR

Publication  
**EP 1943032 A1 20080716 (DE)**

Application  
**EP 05792837 A 20051012**

Priority  
EP 2005010962 W 20051012

Abstract (en)  
[origin: WO2007042060A1] The invention relates to an apparatus for adjusting working rolls to the rolling line, in particular in four-high rolling mills, by means of at least one wedge pair (1, 1') which acts on roll installation parts in the region between rolling stand columns (2, 2') which are spaced apart from one another in parallel and are arranged such that they can be displaced relative to the columns (2, 2') on a horizontal sliding path by means of a toggle lever adjustment. To this end, the wedges (1, 1') of the wedge pair are connected to one another at a fixed spacing. In order to displace them, an arrangement of two toggle levers (4, 5) is provided, of which one lever (4) is supported on one wedge (1) by way of at least one joint (6) and the other lever (5) is supported on the opposite column (2') by way of at least one joint (10) and both levers are connected via an adjustable-length toggle lever joint (7).

IPC 8 full level  
**B21B 31/30** (2006.01); **B21B 31/28** (2006.01)

CPC (source: EP US)  
**B21B 31/28** (2013.01 - EP US); **B21B 31/30** (2013.01 - EP US); **B21B 2013/025** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007042060 A1 20070419**; AT E424945 T1 20090315; CA 2601775 A1 20070419; CN 101291752 A 20081022; DE 502005006852 D1 20090423; EP 1943032 A1 20080716; EP 1943032 B1 20090311; JP 2009511274 A 20090319; US 2009064750 A1 20090312; US 7784321 B2 20100831

DOCDB simple family (application)  
**EP 2005010962 W 20051012**; AT 05792837 T 20051012; CA 2601775 A 20051012; CN 200580051834 A 20051012; DE 502005006852 T 20051012; EP 05792837 A 20051012; JP 2008534873 A 20051012; US 88731905 A 20051012