

Title (en)

COMBINED DRIVE FOR A FOUR- OR SIX-HIGH ROLLING STAND AND AN OPERATING METHOD FOR THE SAME

Title (de)

KOMBINIERTER ANTRIEB FÜR EIN VIERWALZEN- BZW. SECHSWALZENGESTÜTZE SOWIE BETRIEBSVERFAHREN HIERFÜR

Title (fr)

ENTRAÎNEMENT MIXTE POUR UNE CAGE A QUATRE OU A SIX CYLINDRES ET PROCÉDÉ D'UTILISATION DUDIT ENTRAÎNEMENT

Publication

EP 1318879 A1 20030618 (DE)

Application

EP 01967332 A 20010912

Priority

- DE 10046426 A 20000920
- EP 0110521 W 20010912

Abstract (en)

[origin: WO0224362A1] The invention relates to a four- or six-high rolling stand for a rolling train and to a method for operating the same. The aim of the invention is to provide rolling stands that can adapt rapidly to rolling products of different thicknesses and/or hardnesses. To achieve this, rolling stands are provided with minimum expenditure that can be selectively operated with both thin and thick working rolls. The inventive combined drive in the four- or six-high rolling stand allows thick working rolls to be directly connected to a motor, whereas thin working rolls are merely carried along by neighbouring back-up rolls or intermediate rolls by means of friction.

IPC 1-7

B21B 35/06; **B21B 35/14**

IPC 8 full level

B21B 35/06 (2006.01); **B21B 35/12** (2006.01); **B21B 35/14** (2006.01); **B21B 13/00** (2006.01); **B21B 13/02** (2006.01); **B21B 27/00** (2006.01); **B21B 31/10** (2006.01)

CPC (source: EP US)

B21B 35/06 (2013.01 - EP US); **B21B 35/14** (2013.01 - EP US); **B21B 13/001** (2013.01 - EP US); **B21B 27/00** (2013.01 - EP US); **B21B 31/10** (2013.01 - EP US); **B21B 35/12** (2013.01 - EP US); **B21B 2013/025** (2013.01 - EP US); **B21B 2013/028** (2013.01 - EP US)

Citation (search report)

See references of WO 0224362A1

Cited by

CN105142810A; DE102014207859A1; WO2014174099A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0224362 A1 20020328; AT E281251 T1 20041115; CN 1230261 C 20051207; CN 1461246 A 20031210; DE 10046426 A1 20020328; DE 50104428 D1 20041209; EP 1318879 A1 20030618; EP 1318879 B1 20041103; JP 2004508935 A 20040325; JP 4971579 B2 20120711; RU 2275262 C2 20060427; TW 495394 B 20020721; US 2003167817 A1 20030911; US 7086264 B2 20060808

DOCDB simple family (application)

EP 0110521 W 20010912; AT 01967332 T 20010912; CN 01815986 A 20010912; DE 10046426 A 20000920; DE 50104428 T 20010912; EP 01967332 A 20010912; JP 2002528421 A 20010912; RU 2003111155 A 20010912; TW 90123070 A 20010919; US 38116903 A 20030506