Title (en)

METHOD AND DEVICE FOR CHANGING ROLLS

Title (de)

VERFAHREN UND EINRICHTUNG ZUM WECHSELN VON WALZEN

Title (fr)

PROCEDE ET DISPOSITIF DE REMPLACEMENT DE CYLINDRES

Publication

EP 1951452 B1 20090415 (DE)

Application

EP 07702623 A 20070109

Priority

- EP 2007000107 W 20070109
- DE 102006001316 A 20060109
- DE 102006030934 A 20060705

Abstract (en)

[origin: US8555688B2] The invention relates to a method for changing rolls, in particular, working rolls and/or intermediate rolls in a roll stand, such as a roughing down stand or finishing stand for rolling thick sheet iron. Said rolls comprise back up roller sets and working roller sets. One individual locomotive mechanism is used for changing the working rolls and/or for changing the back up rolls and/or for inserting or withdrawing a roll changing seat by supporting the rolls on each other and subsequently withdrawing in the axial direction of the rolls on the operational side of the roll stand, from a roll hall in a roll workshop and back and for installing novel roll sets. The invention also relates to a device for carrying out said method.

IPC 8 full level

B21B 31/10 (2006.01)

CPC (source: EP KR US)

B21B 31/00 (2013.01 - KR); **B21B 31/08** (2013.01 - KR); **B21B 31/103** (2013.01 - EP US); Y10T 29/4973 (2015.01 - EP US); Y10T 483/17 (2015.01 - EP US); Y10T 483/1783 (2015.01 - EP US)

Cited by

DE102009037665A1; WO2011018215A1; US9061334B2

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 2007080087 A1 20070719; AT E427172 T1 20090415; AT E428514 T1 20090515; AT E428515 T1 20090515; CA 2635081 A1 20070719; CA 2635081 C 20130910; DE 502007000562 D1 20090514; DE 502007000613 D1 20090528; DE 502007000615 D1 20090528; EP 1951452 A1 20080806; EP 1951452 B1 20090415; EP 1951453 A1 20080806; EP 1951453 B1 20090401; EP 1954416 A1 20080813; EP 1954416 B1 20090415; ES 2321668 T3 20090609; JP 2009518188 A 20090507; JP 2009522111 A 20090611; JP 2009522112 A 20090611; JP 4988763 B2 20120801; JP 5121721 B2 20130116; JP 5344928 B2 20131120; KR 101035234 B1 20110518; KR 101078258 B1 20111031; KR 101102907 B1 20120110; KR 20080077004 A 20080820; KR 20080078875 A 20080828; KR 20080081966 A 20080910; RU 2008132868 A 20100220; RU 2378064 C1 20100110; RU 2379143 C1 20100120; RU 2394661 C2 20100720; US 2009019909 A1 20090122; US 2009038363 A1 20090212; US 2009044588 A1 20090219; US 2012180284 A1 20120719; US 2012180285 A1 20120719; US 8201431 B2 20120619; US 8511127 B2 20130820; US 8522590 B2 20130903; US 8522591 B2 20130903; US 8555688 B2 20131015; WO 2007080086 A1 20070719; WO 2007080088 A1 20070719; WO 2007080091 A1 20070719; WO 2007080093 A1 20070719

DOCDB simple family (application)

EP 2007000111 W 20070109; AT 07702623 T 20070109; AT 07702628 T 20070109; AT 07711324 T 20070109; CA 2635081 A 20070109; DE 502007000562 T 20070109; DE 502007000613 T 20070109; DE 502007000615 T 20070109; EP 07702623 A 20070109; EP 07702628 A 20070109; EP 07711324 A 20070109; EP 2007000107 W 20070109; EP 2007000112 W 20070109; EP 2007000116 W 20070109; EP 2007000118 W 20070109; ES 07711324 T 20070109; JP 2008543855 A 20070109; JP 2008548998 A 20070109; JP 2008548999 A 20070109; KR 20087016489 A 20070109; KR 20087016705 A 20070109; KR 20087016852 A 20070109; RU 2008132815 A 20070109; RU 2008132862 A 20070109; RU 2008132868 A 20070109; US 201213428902 A 20120323; US 201213428947 A 20120323; US 8719207 A 20070109; US 8719306 A 20060109; US 8719407 A 20070109