

Title (en)
ROLLING MILL COMPRISING MEANS FOR THE CHANGE OF ROLLS

Title (de)
WALZWERK MIT MITTELN ZUM WECHSEL VON WALZEN

Title (fr)
LAMINOIR COMPRENANT DES MOYENS POUR LE CHANGEMENT DES CYLINDRES

Publication
EP 1572386 B1 20060510 (DE)

Application
EP 03776907 A 20031115

Priority
• DE 10256749 A 20021205
• EP 0312790 W 20031115

Abstract (en)
[origin: WO2004050271A1] The invention relates to a rolling mill (1) comprising several rolling frames (Fi) and support plates (7) that are provided on the operator side (BS) of the frames (Fi) and can be displaced transversally to the roll axes, said plates being equipped to receive sets of working rolls (14) and lying adjacent to the mill floor (9). The mill also comprises pits (8) that are situated on the operator side (BS) upstream of each frame (Fi), the bottom of said pits being configured to deploy sets of support rolls (12). The aim of the invention is to reduce the time required to exchange the rolls. To achieve this: the support plates (7) are arranged in a support plate line (6), directly adjacent to the rolling frames (Fi) and covering the pits (8); the support plates (7) are detachably interconnected and in order to exchange the set of support rolls (12), the support plate line (6) can be displaced out of the frame area (5) transversally to the roll axes along the line of the pits, in subgroups (17) of interconnected support plates or in its entirety (6), in order to open at least one and if required all pits (8).

IPC 8 full level
B21B 31/10 (2006.01); **B21B 31/08** (2006.01)

CPC (source: EP US)
B21B 31/103 (2013.01 - EP US); **B21B 31/08** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2004050271 A1 20040617; AT E325667 T1 20060615; AU 2003286172 A1 20040623; BR 0316999 A 20051025; BR 0316999 B1 20110531; CA 2507892 A1 20040617; CA 2507892 C 20100817; CN 100479941 C 20090422; CN 1720112 A 20060111; DE 10256749 A1 20040617; DE 50303320 D1 20060614; EP 1572386 A1 20050914; EP 1572386 B1 20060510; ES 2263045 T3 20061201; JP 2006508802 A 20060316; JP 4410683 B2 20100203; RU 2005117363 A 20060120; RU 2323053 C2 20080427; US 2006144114 A1 20060706; US 7363793 B2 20080429

DOCDB simple family (application)
EP 0312790 W 20031115; AT 03776907 T 20031115; AU 2003286172 A 20031115; BR 0316999 A 20031115; CA 2507892 A 20031115; CN 200380105226 A 20031115; DE 10256749 A 20021205; DE 50303320 T 20031115; EP 03776907 A 20031115; ES 03776907 T 20031115; JP 2004556143 A 20031115; RU 2005117363 A 20031115; US 53723003 A 20031115