

Title (en)

DEVICE FOR WINDING AND UNWINDING HOT-ROLLED PRE-STRIPS CONSISTING OF HOT METAL

Title (de)

VORRICHTUNG ZUM AUF- UND ABWICKELN VON WARMGEWALZTEN VORBÄNDERN AUS HEISSEM METALL

Title (fr)

DISPOSITIF POUR ENROULER ET DEROULER DES FEUILLARDS PREFORMES EN METAL CHAUD

Publication

EP 1414599 B1 20050330 (DE)

Application

EP 02794550 A 20020805

Priority

- DE 10138857 A 20010808
- EP 0208713 W 20020805

Abstract (en)

[origin: WO03013753A1] The aim of the invention is to configure a device for winding and unwinding partly rolled products, in a way that ensures the smallest possible accumulation of scrap. To achieve this, a roller (20, 20', 20'') whose position is controlled and which runs on the periphery of the coil is used during the transfer of the coils from the winding station to the unwinding station. The vertical adjustment of said roller ensures that the coil is completely unwound, even with a diminishing coil diameter.

IPC 1-7

B21C 47/08; **B21C 47/22**; **B21C 47/24**

IPC 8 full level

B21C 47/08 (2006.01); **B21C 47/22** (2006.01); **B21C 47/24** (2006.01)

CPC (source: EP KR US)

B21C 47/08 (2013.01 - EP KR US); **B21C 47/22** (2013.01 - EP US); **B21C 47/24** (2013.01 - EP US)

Cited by

DE102013207188A1

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 03013753 A1 20030220; AT E291972 T1 20050415; AU 2002333329 B2 20070301; BR 0211528 A 20040914; BR 0211528 B1 20110222; CA 2457626 A1 20030220; CA 2457626 C 20091215; CN 1275713 C 20060920; CN 1541144 A 20041027; DE 10138857 A1 20030227; DE 50202645 D1 20050504; EP 1414599 A1 20040506; EP 1414599 B1 20050330; ES 2239269 T3 20050916; JP 2004537419 A 20041216; JP 4677186 B2 20110427; KR 100878464 B1 20090113; KR 20040023690 A 20040318; MX PA04001156 A 20040913; RU 2004106610 A 20050327; RU 2294255 C2 20070227; UA 77965 C2 20070215; US 2004239018 A1 20041202; US 7181946 B2 20070227; ZA 200400337 B 20040607

DOCDB simple family (application)

EP 0208713 W 20020805; AT 02794550 T 20020805; AU 2002333329 A 20020805; BR 0211528 A 20020805; CA 2457626 A 20020805; CN 02815641 A 20020805; DE 10138857 A 20010808; DE 50202645 T 20020805; EP 02794550 A 20020805; ES 02794550 T 20020805; JP 2003518746 A 20020805; KR 20047001234 A 20020805; MX PA04001156 A 20020805; RU 2004106610 A 20020805; UA 2004031659 A 20020805; US 48640704 A 20040206; ZA 200400337 A 20040116