

Title (en)  
METHOD AND INSTALLATION FOR ROLLING IN-PROCESS STOCK

Title (de)  
VERFAHREN UND ANLAGE ZUM WALZEN VON WALZGUT

Title (fr)  
PROCEDE ET INSTALLATION POUR LE LAMINAGE DE CHARGE EN COURS DE FABRICATION

Publication  
**EP 1701808 A1 20060920 (DE)**

Application  
**EP 04820049 A 20041108**

Priority  
• EP 2004012601 W 20041108  
• DE 10357622 A 20031210

Abstract (en)  
[origin: WO2005056206A1] The invention relates to a method for rolling strip-type in-process stock, in particular a metal strip (3). According to said method, the metal strip (3) is unwound from a coil (2, 7) that is held on an unwinding reel (1, 6), fed into a reversing rolling mill (8), rolled and then wound onto a winding reel (9) to form a coil (10). The metal strip (3) is conveyed from the unwinding reel (1, 6) to the winding reel (9) and reversed until the desired thickness of the metal strip has been obtained, whereby the thickness of said strip reduces with each pass of the reversing rolling mill (8). The end of the metal strip (3) of a first coil is welded to the beginning of the metal strip (3) of a second coil and the metal strip (3) of the first coil is temporarily stored in a strip storage device during the welding process. The in-process stock consisting of two lengths is then reversibly rolled to its final dimensions and an additional length is welded to the end of the in-process stock prior to the last pass. The invention also relates to an installation for carrying out said process. In said installation, the unwinding reel (1, 6) is used as the strip storage device during the reverse passes.

IPC 8 full level  
**B21B 1/32** (2006.01); **B21B 1/24** (2006.01); **B21B 1/34** (2006.01); **B21B 1/36** (2006.01); **B21B 15/00** (2006.01); **B21B 41/00** (2006.01)

CPC (source: EP US)  
**B21B 1/32** (2013.01 - EP US); **B21B 1/24** (2013.01 - EP US); **B21B 1/34** (2013.01 - EP US); **B21B 1/36** (2013.01 - EP US);  
**B21B 15/0007** (2013.01 - EP US); **B21B 15/0085** (2013.01 - EP US); **B21B 41/00** (2013.01 - EP US); **B21B 2015/0057** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005056206A1

Cited by  
WO2011076592A2; DE102009060259A1; US8490451B2

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

DOCDB simple family (publication)  
**WO 2005056206 A1 20050623**; AT E376459 T1 20071115; CN 1894052 A 20070110; CN 1894052 B 20100526; DE 10357622 A1 20050707;  
DE 502004005341 D1 20071206; EP 1701808 A1 20060920; EP 1701808 B1 20071024; JP 2007513775 A 20070531;  
RU 2006124567 A 20080120; RU 2362638 C2 20090727; UA 87828 C2 20090825; US 2007034672 A1 20070215; US 7398666 B2 20080715

DOCDB simple family (application)  
**EP 2004012601 W 20041108**; AT 04820049 T 20041108; CN 200480036965 A 20041108; DE 10357622 A 20031210;  
DE 502004005341 T 20041108; EP 04820049 A 20041108; JP 2006543393 A 20041108; RU 2006124567 A 20041108;  
UA A200607605 A 20041108; US 57684804 A 20041108