

Title (en)  
WINDING DEVICE

Title (de)  
AUFROLLVORRICHTUNG

Title (fr)  
DISPOSITIF DE BOBINAGE

Publication  
**EP 1889805 A4 20100623 (EN)**

Application  
**EP 05809585 A 20051125**

Priority  
• JP 2005021719 W 20051125  
• JP 2004347631 A 20041130

Abstract (en)  
[origin: EP1889805A1] [Problem to be solved] The present invention has an object to provide a re-winding apparatus for serving to properly rewind the continuous web 2 to be received an effect in bending stress, especially such continuous web having plural of RFID tag or label in each having an IC-chip and antenna part attached on RFID inlay. [Means for solving the problem] The present invention provides a re-winding apparatus having a taken up spindle for rewinding the continuous web 2 in printed, a drive member for the take-up spindle can be driven, and a tension roll can provide a predetermined tension on the continuous web 2 by urging the tension roll provided upstream of the take-up spindle into contact with the continuous web 2, and which comprises a circular arcuated slit is provided on lateral surface on housing of the re-winding apparatus for capable of a round movement of the tension roll, a restricting member for providing the restriction enable in optional position within the circular arcuated slit, and a detecting member for detecting the lowest part position in movable range of the tension roll.

IPC 8 full level  
**B65H 23/188** (2006.01); **B65H 18/10** (2006.01); **B65H 26/04** (2006.01)

CPC (source: EP)  
**B65H 18/10** (2013.01); **B65H 23/188** (2013.01); **B65H 23/1955** (2013.01); **B65H 26/04** (2013.01); **B65H 2701/192** (2013.01)

Citation (search report)  
• [X] DD 73532 A1 19700605 - HANK DIETRICH [DD]  
• [A] JP 2004314565 A 20041111 - MUTOH IND LTD  
• [A] JP S62121166 A 19870602 - SANDO IRON WORKS CO  
• [A] EP 1283186 A2 20030212 - TOKYO KIKAI SEISAKUSHO LTD [JP]  
• See references of WO 2006059552A1

Cited by  
CN107089540A; EP2383212A1; ITPR20100033A1; CN111573374A

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)  
**EP 1889805 A1 20080220; EP 1889805 A4 20100623; EP 1889805 B1 20171220**; CA 2561363 A1 20060608; CA 2561363 C 20100209; JP 2006151652 A 20060615; NO 20073320 L 20070627; NO 335555 B1 20141229; WO 2006059552 A1 20060608

DOCDB simple family (application)  
**EP 05809585 A 20051125**; CA 2561363 A 20051125; JP 2004347631 A 20041130; JP 2005021719 W 20051125; NO 20073320 A 20070627