

Title (en)  
PRINT SHEET WINDER

Title (de)  
DRUCKBAHNWICKELVORRICHTUNG

Title (fr)  
DISPOSITIF ENROULERDE FEUILLE D'IMPRESSION

Publication  
**EP 1842816 A4 20110608 (EN)**

Application  
**EP 05820198 A 20051226**

Priority  
• JP 2005023784 W 20051226  
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Abstract (en)  
[origin: EP1842816A1] A printing paper winding device greatly expanding the range of base material types that can be wound by enabling winding of even the printing paper with a base material having a low resistance to bending stresses or printing paper having RFID labels carrying the IC chips. In view of the possibility of reducing bending stresses by dividing the movability region of the tension roller into four regions in order to enable the successive detection of the position or posture of the tension roller and by making the bending angle of the printing paper in the winding path close to a more obtuse angle, the winding control unit of the present invention, which determines whether the tension region where the tension roller is positioned is a first tension region, second tension region, third tension region, or fourth tension region, controls the drive unit so as to limit the tension roller to a tension region in which the winding is possible in the direction such that the bending angle of the printing paper in the winding path, which follows the winding of the printing paper, is close to a more obtuse angle.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [YA] EP 1044915 A2 20001018 - XEIKON NV [BE]  
• [YA] EP 1479628 A1 20041124 - TECNAU SRL [IT]  
• [A] JP 2004314565 A 20041111 - MUTOH IND LTD  
• See references of WO 2006070743A1

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