

Title (en)  
Device for conveying empty rolls

Title (de)  
Vorrichtung zum Transport von Restrollen

Title (fr)  
Dispositif pour transporter des rouleaux vides

Publication  
**EP 1612172 A1 20060104 (DE)**

Application  
**EP 05107281 A 20021127**

Priority  
• EP 02787402 A 20021127  
• DE 10159520 A 20011204

Abstract (en)  
The emptying unit (07) contains a collector-container (12) into which the one or more residual reels -container (08) are automatically emptied. The residual reel container can be raised by means of a hoist (04). The emptying unit is integrated at least partly in a shelving unit (02) for storing paper rolls (03). The shelving unit incorporates a transfer unit (11) connected to the emptying unit by means of a conveyor section along which travels a carriage (19a).

IPC 8 full level  
**B65H 19/12** (2006.01)

CPC (source: EP US)  
**B65H 19/12** (2013.01 - EP US); **B65H 19/126** (2013.01 - EP US); **B65H 2301/41858** (2013.01 - EP US); **B65H 2405/422** (2013.01 - EP US); **B65H 2405/4221** (2013.01 - EP US)

Citation (search report)  
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• [A] WO 0068115 A1 20001116 - WESTFALIA WST SYSTEMTECHNIK [DE], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 309 (P - 898) 14 July 1989 (1989-07-14)

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