

Title (en)  
DEVICE FOR BANDING STACKS OF BANK NOTES

Title (de)  
VORRICHTUNG ZUM BÜNDELN VON BANKNOTENSTAPELN

Title (fr)  
DISPOSITIF D'ENLIASSAGE DE PAQUETS DE BILLETS DE BANQUE

Publication  
**EP 1591362 A4 20090826 (EN)**

Application  
**EP 03730937 A 20030325**

Priority  
• RU 0300118 W 20030325  
• RU 2002132874 A 20021128

Abstract (en)  
[origin: RU2226488C1] FIELD: banking systems; banding of banknotes in piles. SUBSTANCE: proposed device contains housing, container with packing material, packing material feeder and member for accommodating pile of banknotes. Container with packing material is made in form of box structure, and packing material is made in form of rings of tape flattened and placed in stack inside container. Packing material feeder is made in form of member with grip furnished with travel motion mechanism. Banknote pile accommodating member is made for deformation of banknote pile relative to its longitudinal axis, being equipment with banknote, pile position sensor coupled with travel motion mechanism with grip. Member for accommodating pile of banknotes and container with packing material in form of tape rings are installed on housing relative to each other to make pile of banknotes, after deformation, get into ring fed from container. Member for accommodating pile of banknotes can be made in form of tubular envelope narrowing from hole to outlet hole and provided with length wise slot. Deformation of banknote pile takes place when pile moves along tubular envelope, and extraction is done through side slot. EFFECT: simplified design, reliability and high capacity in operation. 2 cl, 5 dwg

IPC 8 full level  
**B65B 25/14** (2006.01); **B65B 27/08** (2006.01); **B65B 11/08** (2006.01); **B65B 13/02** (2006.01)

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**B65B 13/022** (2013.01 - EP US); **B65B 13/18** (2013.01 - KR); **B65B 25/14** (2013.01 - KR); **B65B 27/08** (2013.01 - EP KR US)

Citation (search report)  
• [A] DE 4125098 A1 19930204 - CARL LUEDORF & CO EWAL [DE]  
• [A] DE 833622 C 19520310 - MAX POST, et al  
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DOCDB simple family (publication)  
**EP 1591362 A1 20051102; EP 1591362 A4 20090826; EP 1591362 B1 20110119**; AT E495977 T1 20110215; AU 2003241957 A1 20040618; CN 100396561 C 20080625; CN 1701025 A 20051123; DE 60335829 D1 20110303; JP 2006507996 A 20060309; JP 4275073 B2 20090610; KR 100883240 B1 20090210; KR 20050062787 A 20050627; RU 2226488 C1 20040410; US 2005284111 A1 20051229; WO 2004048202 A1 20040610

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**EP 03730937 A 20030325**; AT 03730937 T 20030325; AU 2003241957 A 20030325; CN 03825323 A 20030325; DE 60335829 T 20030325; JP 2004555174 A 20030325; KR 20057008865 A 20050517; RU 0300118 W 20030325; RU 2002132874 A 20021128; US 53727405 A 20050528