

Title (en)  
DEVICE FOR PERSONALISING AND DISTRIBUTING NON-CONTACT SMART TICKETS

Title (de)  
EINRICHTUNG ZUM PERSONALISIEREN UND VERTEILEN VON NICHT-KONTAKT-SMART-TICKETS

Title (fr)  
DISPOSITIF DE PERSONNALISATION ET DE DISTRIBUTION DE TICKETS A PUCE SANS CONTACT

Publication  
**EP 1700274 A1 20060913 (FR)**

Application  
**EP 04817604 A 20041228**

Priority  
• FR 2004003392 W 20041228  
• FR 0315535 A 20031229

Abstract (en)  
[origin: US2005139654A1] The invention concerns a device for the customization and automatic dispensing of single smart contactless tickets provided with means to check the reliability of tickets and means to customize the tickets, and including a storage location for tickets in the form of a vertical stack. According to the main characteristic, the dispensing device includes a suction cup ( 20 ) provided with means to control its vacuum and supported by a movable arm ( 31 ) moving along a vertical path, the suction cup enabling the unstacking and removal of a ticket ( 13 ) from the storage location and carrying it until it rests on a drive system, and an external antenna ( 24 ) adapted to check the reliability of the ticket initially at the time of unstacking.

IPC 8 full level  
**G07B 1/00** (2006.01); **B65H 3/08** (2006.01); **G06K 19/02** (2006.01); **G07B 3/04** (2006.01)

CPC (source: EP KR US)  
**B65H 3/085** (2013.01 - EP US); **B65H 7/02** (2013.01 - EP US); **G07B 1/00** (2013.01 - EP KR US); **G07B 3/04** (2013.01 - EP US);  
**B65H 2301/5111** (2013.01 - EP US); **B65H 2511/40** (2013.01 - EP US); **B65H 2701/1244** (2013.01 - EP US); **B65H 2701/1936** (2013.01 - EP US)

C-Set (source: EP US)  
**B65H 2511/40** + **B65H 2220/01**

Citation (search report)  
See references of WO 2005069229A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2005139654 A1 20050630**; **US 7025259 B2 20060411**; AT E511164 T1 20110615; AU 2004313501 A1 20050728;  
BR PI0418238 A 20070417; CA 2551671 A1 20050728; CN 1902662 A 20070124; CN 1902662 B 20100526; EP 1700274 A1 20060913;  
EP 1700274 B1 20110525; FR 2864670 A1 20050701; FR 2864670 B1 20070427; HK 1103834 A1 20071228; IL 176319 A0 20061005;  
IL 176319 A 20101230; JP 2007517300 A 20070628; JP 4571151 B2 20101027; KR 20060124661 A 20061205; RU 2006127449 A 20080210;  
RU 2378699 C2 20100110; TW 200521890 A 20050701; WO 2005069229 A1 20050728; ZA 200605182 B 20071031

DOCDB simple family (application)  
**US 1389804 A 20041217**; AT 04817604 T 20041228; AU 2004313501 A 20041228; BR PI0418238 A 20041228; CA 2551671 A 20041228;  
CN 200480039337 A 20041228; EP 04817604 A 20041228; FR 0315535 A 20031229; FR 2004003392 W 20041228; HK 07107998 A 20070724;  
IL 17631906 A 20060615; JP 2006546261 A 20041228; KR 20067012907 A 20060627; RU 2006127449 A 20041228; TW 93139793 A 20041221;  
ZA 200605182 A 20060623