

Title (en)
METHOD FOR DETERMINING THE AUTHENTICITY, THE VALUE AND THE DECAY LEVEL OF BANKNOTES, AND SORTING AND COUNTING DEVICE

Title (de)
VERFAHREN UND FESTSTELLUNG DER ECHTHEIT DES WERTES UND DES ZERFALLSTANDES VON GELDSCHEINEN, UND EINE SORTIER- SOWIE ZÄHLVORRICHTUNG

Title (fr)
PROCEDE PERMETTANT DE DETERMINER L'AUTHENTICITE, LA VALEUR ET LE NIVEAU DE VETUSTE DE BILLETS DE BANQUES, ET DISPOSITIF DE TRI ET DE COMPTAGE

Publication
EP 1160737 A1 20011205 (EN)

Application
EP 00905500 A 20000124

Priority
• RU 0000014 W 20000124
• RU 99102073 A 19990204
• RU 99118985 A 19990901

Abstract (en)
The present invention is used for sorting old or false banknotes, for determining their payment value as well as for searching and for detecting them through the production of full images of both sides of said banknotes. This invention can also be used for analysing the whole set of decay signs. The device for sorting and counting banknotes includes a control unit, a single-piece feeding unit whose supply speed is automatically adjusted according to the dimensions of the banknote, a transport system, a forwarding and counting unit, and a unit for separating the flow of banknotes and for directing them towards one of the storage baskets. The unit for determining the authenticity, the value and the decay level includes scanning devices used for producing a visible image and an infrared image, and also for producing a visible image and an induction-generated image.
<IMAGE>

IPC 1-7
G07D 3/00; **G07D 7/00**; **G07D 7/12**; **B65H 29/60**; **B65H 29/62**

IPC 8 full level
G07D 7/04 (2006.01); **G07D 7/12** (2006.01); **G07D 7/16** (2006.01); **G07D 7/18** (2006.01); **G07D 7/182** (2016.01); **G07D 7/20** (2006.01); **G07D 11/00** (2006.01)

CPC (source: EP KR US)
G07D 7/04 (2013.01 - EP US); **G07D 7/12** (2013.01 - EP KR); **G07D 7/183** (2017.04 - EP); **G07D 7/185** (2013.01 - EP); **G07D 7/187** (2013.01 - EP); **G07D 7/20** (2013.01 - EP); **G07D 11/50** (2018.12 - EP)

Cited by
WO2010124963A1; KR20030048901A; CN101799951A; EP1904833A4; CN102089787A; FR2859806A1; EP1326215A3; CN102934146A; EP2557545A4; CN102402681A; EP2431951A3; CN102422328A; EP2071528A4; GB2433590A; GB2433590B; EP1748397A3; RU2666472C1; US6889897B2; US9818249B1; US7690079B2; WO02093505A1; WO2005076229A1; WO2010024723A1; US8077961B2; US10163023B2; US11314980B1; US8371429B2; US8942461B2; WO03063098A1; WO2010040037A1; US7631743B2; US8025231B2; US9972156B1; US9971935B1; US10452906B1; EP2754137B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0046758 A1 20000810; EA 003308 B1 20030424; EA 200100743 A1 20020627; EP 1160737 A1 20011205; EP 1160737 A4 20060809; KR 100436939 B1 20040623; KR 20010101969 A 20011115

DOCDB simple family (application)
RU 0000014 W 20000124; EA 200100743 A 20000124; EP 00905500 A 20000124; KR 20017009808 A 20010803