

Title (en)

METHOD FOR FORGERY-PROOF LABELING OF ITEMS, AND FORGERY-PROOF LABEL

Title (de)

VERFAHREN ZUR FÄLSCHUNGSSICHEREN MARKIERUNG VON GEGENSTÄNDEN UND FÄLSCHUNGSSICHERE MARKIERUNG

Title (fr)

PROCEDE POUR MARQUER DE FACON INFALSIFIABLE DES OBJETS, ET MARQUAGE INFALSIFIABLE

Publication

EP 1377461 B1 20050309 (DE)

Application

EP 01971633 A 20010816

Priority

- DE 0103205 W 20010816
- DE 10042461 A 20000829

Abstract (en)

[origin: WO0218155A2] The invention relates to a method for forgery-proof labeling of items, such as credit cards, bank notes and the like, comprising the following steps: (a) applying, to a first layer (1) that reflects electromagnetic waves, an inert second layer (3) that is permeable to electromagnetic waves, said second layer having a predetermined thickness, (b) applying, to said second layer (3), a third layer (4) that is formed by metal clusters, and (c) linking the first layer (1) of the label so produced with the item.

IPC 1-7

B42D 15/00; **B42D 15/10**

IPC 8 full level

B32B 7/02 (2006.01); **B42D 15/00** (2006.01); **B42D 15/10** (2006.01); **B42D 25/00** (2014.01); **B42D 25/29** (2014.01); **G09F 3/00** (2006.01); **G09F 3/02** (2006.01)

CPC (source: EP US)

B42D 25/00 (2014.10 - EP US); **B42D 25/29** (2014.10 - EP US); **B42D 25/36** (2014.10 - US); **B42D 25/373** (2014.10 - US); **B42D 2033/10** (2022.01 - EP); **B42D 2033/18** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0218155 A2 20020307; **WO 0218155 A3 20031016**; AT E290473 T1 20050315; AU 9161001 A 20020313; CA 2419846 A1 20020307; CA 2419846 C 20090818; DE 10042461 A1 20020314; DE 10042461 C2 20021107; DE 50105575 D1 20050414; EP 1377461 A2 20040107; EP 1377461 B1 20050309; EP 1377461 B2 20130116; ES 2213502 T1 20040901; JP 2004507790 A 20040311; JP 4049215 B2 20080220; US 2004026917 A1 20040212; US 7396557 B2 20080708

DOCDB simple family (application)

DE 0103205 W 20010816; AT 01971633 T 20010816; AU 9161001 A 20010816; CA 2419846 A 20010816; DE 10042461 A 20000829; DE 50105575 T 20010816; EP 01971633 A 20010816; ES 01971633 T 20010816; JP 2002523298 A 20010816; US 36311103 A 20030604