

Title (en)

Method for producing security elements for the electronic protection of articles

Title (de)

Verfahren zur Herstellung von Sicherungselementen für die elektronische Artikelsicherung

Title (fr)

Procédé pour la fabrication d'éléments de sécurité pour la protection électronique d'articles

Publication

EP 0987662 B2 20070509 (DE)

Application

EP 99117104 A 19990831

Priority

DE 19843062 A 19980919

Abstract (en)

[origin: EP0987662A2] The method involves making the security elements from at least two layers. A first layer (2) of a cellulose material (6) is applied to a second layer (3) of cellulose material (5) whilst still moist. One of the two layers includes weak magnetic elements that emit a characteristic signal in the interrogation field of an article security system. The desired shape of the security element can be stamped or cut out of the two layers when dry. An Independent claim is also included for a security elements for electronic article security.

IPC 8 full level

G08B 13/24 (2006.01)

CPC (source: EP US)

G08B 13/2408 (2013.01 - EP US); **G08B 13/2437** (2013.01 - EP US); **G08B 13/244** (2013.01 - EP US); **Y10T 442/659** (2015.04 - EP US)

Citation (opposition)

Opponent :

- DE 2919576 A1 19791129 - ARJOMARI PRIOUX
- DE 19581817 T1 19971016 - ARJO WIGGINS SA [FR]
- DE 19650611 A1 19980610 - METO INTERNATIONAL GMBH [DE]
- EP 0498186 A1 19920812 - GAO GES AUTOMATION ORG [DE]
- DE 2905441 A1 19800821 - GAO GES AUTOMATION ORG
- DE 4327225 A1 19950216 - BASF AG [DE]

Cited by

CH696744A5; WO2005003458A1

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)

EP 0987662 A2 20000322; **EP 0987662 A3 20010321**; **EP 0987662 B1 20031015**; **EP 0987662 B2 20070509**; AT E252262 T1 20031115; CA 2282808 A1 20000319; CA 2282808 C 20040817; DE 19843062 A1 20000323; DE 59907357 D1 20031120; DK 0987662 T3 20040119; ES 2209301 T3 20040616; ES 2209301 T5 20071116; HU 9903175 D0 19991129; HU P9903175 A2 20000628; HU P9903175 A3 20010328; PL 188022 B1 20041130; PL 335474 A1 20000327; US 2002127940 A1 20020912; US 6585857 B2 20030701

DOCDB simple family (application)

EP 99117104 A 19990831; AT 99117104 T 19990831; CA 2282808 A 19990917; DE 19843062 A 19980919; DE 59907357 T 19990831; DK 99117104 T 19990831; ES 99117104 T 19990831; HU P9903175 A 19990917; PL 33547499 A 19990917; US 39933499 A 19990920