

Title (en)

Security element for documents, bank notes, security paper and the like

Title (de)

SICHERHEITSELEMENT FÜR DOKUMENTE, BANKNOTEN, SICHERHEITSPAPIER AND DERGLEICHEN

Title (fr)

Élément de sécurité pour documents, billets de banque, papier sécurisé et similaires

Publication

**EP 2363297 B2 20180808 (EN)**

Application

**EP 11156603 A 20021004**

Priority

- IT MI20021575 A 20020717
- EP 02777289 A 20021004
- EP 0211176 W 20021004

Abstract (en)

[origin: WO2004007210A1] A security element for documents, bank notes, security paper and the like, which has the particularity that it comprises a continuous supporting layer (2) on which there is at least one metallized layer (3) that forms at least one high-reflectance region (4) that is flanked, on at least one face, by at least one low-reflectance region (4) in order to have, when the security element is at least partially inserted in a document and the like, a different dimensional perception of the security element when viewed under reflected light and when viewed against the light.

IPC 8 full level

**B42D 15/00** (2006.01)

IPC 8 main group level

**D21H** (2006.01)

CPC (source: EP US)

**B42D 25/29** (2014.10 - US); **B42D 25/355** (2014.10 - EP US); **B42D 25/373** (2014.10 - US); **B42D 25/425** (2014.10 - US); **B42D 2033/10** (2022.01 - EP); **B42D 2033/20** (2022.01 - EP); **B42D 2035/36** (2022.01 - EP)

Citation (opposition)

Opponent :

- WO 8908166 A1 19890908 - GAO GES AUTOMATION ORG [DE]
- WO 0116426 A1 20010308 - GIESECKE & DEVRIENT GMBH [DE], et al
- DE 4041025 A1 19920625 - GAO GES AUTOMATION ORG [DE]
- WO 03091952 A2 20031106 - RUE DE INT LTD [GB], et al
- DE 1446851 A1 19681121 - PORTALS LTD
- EP 0420261 A2 19910403 - GAO GES AUTOMATION ORG [DE]
- WO 9106925 A1 19910516 - AMBLEHURST LTD [GB]
- WO 0039391 A1 20000706 - RUE DE INT LTD [GB], et al
- WO 9855333 A1 19981210 - RUE DE INT LTD [GB], et al
- WO 9723357 A1 19970703 - GIESECKE & DEVRIENT GMBH [DE], et al
- US 6199911 B1 20010313 - ISHERWOOD ROLAND [GB], et al
- EP 0059056 A1 19820901 - PORTALS LTD [GB]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 2004007210 A1 20040122**; AU 2002338868 A1 20040202; EP 1521678 A1 20050413; EP 1521678 B1 20121226; EP 1521678 B2 20200115; EP 2363297 A2 20110907; EP 2363297 A3 20120718; EP 2363297 B1 20140723; EP 2363297 B2 20180808; ES 2400066 T3 20130405; ES 2400066 T5 20201124; ES 2511441 T3 20141022; IT MI20021575 A1 20040119

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