

Title (en)

SECURITY ELEMENT FOR IDENTIFICATION DOCUMENTS, IN PARTICULAR IDENTITY DOCUMENTS, AND A DOCUMENT COMPRISING SUCH SECURITY ELEMENT

Title (de)

SICHERHEITSELEMENT FÜR IDENTIFIKATIONSDOKUMENTE, INSBESONDRE IDENTITÄTSDOUMENTE, UND EIN DOKUMENT MIT EINEM SOLCHEN SICHERHEITSELEMENT

Title (fr)

ÉLÉMENT DE SÉCURITÉ POUR DOCUMENTS D'IDENTIFICATION, EN PARTICULIER DOCUMENTS D'IDENTITÉ, ET DOCUMENT COMPRENANT UN TEL ÉLÉMENT DE SÉCURITÉ

Publication

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Application

**EP 23206229 A 20231026**

Priority

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Abstract (en)

The invention relates to a security element for identification documents, in particular identity documents containing a hard substrate susceptible to laser marking, comprising:- a first security feature of the security element applied by laser marking to a hard surface;- a second security feature of the security element applied by laser marking to a hard surface;wherein the first security feature is a document-individualizing, information-bearing textual security feature, and the second security feature is a document-individualizing, information-bearing security feature in the form of an image wherein the first security feature includes an array of a plurality of the same images that constitute the second security feature, preferably images on the microstructure level, where each image corresponds to a single dot that, together with the other dots in the array, constitutes a globally perceptible, information-bearing textual security feature, and wherein at least the first security feature is perceptible to the naked eye. The present invention also provides an identification document incorporating the security element according to the invention.

IPC 8 full level

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**B41M 5/267** (2013.01 - EP)

Citation (applicant)

- EP 2851207 B1 20151230 - OBERTHUR TECHNOLOGIES [FR]
- US 7789311 B2 20100907 - JONES ROBERT L [US], et al
- US 2009127844 A1 20090521 - DORFLER WALTER [DE], et al
- US 4234214 A 19801118 - LEE PETER D
- PL 2094505 T5 20180228 - GEMALTO SA [FR]
- US 6198545 B1 20010306 - OSTROMOUKHOV VICTOR [CH], et al
- V. OSTROMOUKHOV.R.D.HERSCH: "Artistic Design", SIGGRAPH95, COMPUTER GRAPHICS PROCEEDINGS, ANNUAL CONFERENCE SERIES, 1995, pages 219 - 228
- V. OSTROMOUKHOV.R.D. HERSCHE: "Multi-Color and Artistic Dithering", SIGGRAPH'99, COMPUTER GRAPHICS PROCEEDINGS, ANNUAL CONFERENCE SERIES, 1999, pages 425 - 432

Citation (search report)

- [A] US 2016096392 A1 20160407 - JONES ROBERT [US], et al
- [A] WO 0159745 A1 20010816 - SCHREINER GMBH & CO KG [DE], et al
- [A] EP 2740608 A1 20140611 - GEMALTO SA [FR]
- [A] US 2021331505 A1 20211028 - THURAILINGAM THIVAHARAN [CA], et al

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