

Title (en)  
SECURITY ELEMENT, VALUABLE DOCUMENT COMPRISING SUCH A SECURITY ELEMENT AND METHOD FOR PRODUCING SUCH A SECURITY ELEMENT

Title (de)  
SICHERHEITSELEMENT, WERTDOKUMENT MIT EINEM SOLCHEN SICHERHEITSELEMENT SOWIE HERSTELLUNGSVERFAHREN EINES SICHERHEITSELEMENTES

Title (fr)  
ÉLÉMENT DE SECURITE, DOCUMENT DE VALEUR DOTE D'UN TEL ELEMENT DE SECURITE AINSI QUE PROCEDE DE FABRICATION D'UN ELEMENT DE SECURITE

Publication  
**EP 3059093 B1 20210331 (DE)**

Application  
**EP 16000444 A 20101203**

Priority

- DE 102009056934 A 20091204
- EP 10790829 A 20101203
- EP 2010007368 W 20101203

Abstract (en)  
[origin: CA2780934A1] The invention relates to a security element (1) for a security paper, value document or the like, comprising a carrier (8) having a surface area (3) which is subdivided into a plurality of pixels (4) which in each case comprise at least one optically active facet (5). According to the invention, the plurality of pixels (4) comprises respectively several of the optically active facets (5) having the same orientation per pixel (4), and the facets (5) are oriented in such a way that the surface area (3) can be perceived by a viewer as a surface that projects to the front and/or the rear relative to its actual three-dimensional shape.

IPC 8 full level  
**B42D 15/00** (2006.01); **B42D 25/29** (2014.01); **G02B 5/18** (2006.01)

CPC (source: EP US)  
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Cited by  
EP4389443A1; CN112805155A; US11325412B2; WO2020078582A1; WO2019219238A1; US9827802B2; US10525758B2

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DOCDB simple family (publication)  
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**DE 102009056934 A 20091204**; AU 2010327031 A 20101203; BR 112012013451 A 20101203; CA 2780934 A 20101203; CN 201080062597 A 20101203; EP 10790829 A 20101203; EP 16000444 A 20101203; EP 2010007368 W 20101203; RU 2012127687 A 20101203; US 201013513690 A 20101203; US 201715706195 A 20170915