

Title (en)  
Security element with inserted patterns

Title (de)  
Sicherheitselement mit eingebrachten Motiven

Title (fr)  
Élément de sécurité avec motifs insérés

Publication  
**EP 1609619 B1 20160518 (DE)**

Application  
**EP 05013327 A 20050621**

Priority  
DE 102004031043 A 20040625

Abstract (en)  
[origin: EP1609619A2] A security mark for paper products, e.g. banknotes or passports, contains a pattern, character or code that is visible from both sides. The appearance of the security mark is different when viewed from the first side, to that which is visible on the second side. When viewed from the first side the security mark appears to have cutouts in an opaque cover layer. When viewed from the second side the view is essentially a transparent or translucent optically variable effect-layer.

IPC 8 full level  
**B42D 15/00** (2006.01); **B42D 15/10** (2006.01)

CPC (source: EP US)  
**B41M 3/14** (2013.01 - US); **B42D 25/00** (2014.10 - EP); **B42D 25/29** (2014.10 - EP US); **B42D 25/355** (2014.10 - EP); **B42D 25/43** (2014.10 - EP); **B42D 25/387** (2014.10 - EP); **B42D 2033/10** (2022.01 - EP); **B42D 2033/16** (2022.01 - EP); **B42D 2033/20** (2022.01 - EP)

Cited by  
CN110503890A; CN113147215A; CN110277013A; EP2138318A1; CN113436525A; DE102008030409A1; US10328738B2; US10336124B2; WO2008049632A1; WO2016118767A1; EP3486092A1; DE102017010744A1; EP1972462B2; EP2984227B1; EP2984229B2; EP3178660B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1609619 A2 20051228; EP 1609619 A3 20140709; EP 1609619 B1 20160518; DE 102004031043 A1 20060112**

DOCDB simple family (application)  
**EP 05013327 A 20050621; DE 102004031043 A 20040625**