

Title (en)
SECURITY ELEMENT AND DATA CARRIER

Title (de)
SICHERHEITSELEMENT UND DATENTRÄGER

Title (fr)
ÉLÉMENT DE SÉCURITÉ ET SUPPORT DE DONNÉES

Publication
EP 3319812 B1 20190918 (DE)

Application
EP 16741533 A 20160708

Priority
• DE 102015008971 A 20150710
• EP 2016001183 W 20160708

Abstract (en)
[origin: WO2017008897A1] The invention relates to a security element for safeguarding a valuable document or a security paper, wherein the security element has a layer structure having the following layer sequence: a) a first film substrate; b) a first embossing lacquer layer; c) a first semitransparent functional layer; d) a printed layer applied on the first semitransparent functional layer; e) an adhesive layer; f) a second semitransparent functional layer; g) a second embossing lacquer layer; h) optionally a second film substrate; wherein – the first semitransparent functional layer c) forms a first motif, discernible when the front side of the security element is viewed in reflected light; – the semitransparent second functional layer f) forms a second motif, discernible when the rear side of the security element is viewed in reflected light; – the printed layer d) applied on the first semitransparent functional layer forms a hidden third motif, discernible when the security element is viewed in transmitted light both from the front side and from the rear side.

IPC 8 full level
B41M 3/14 (2006.01); **B42D 25/25** (2014.01); **B42D 25/29** (2014.01); **B42D 25/324** (2014.01); **B42D 25/328** (2014.01); **B42D 25/351** (2014.01); **B42D 25/425** (2014.01); **G07D 7/00** (2016.01)

CPC (source: EP)
B41M 3/148 (2013.01); **B42D 25/29** (2014.10); **B42D 25/324** (2014.10); **B42D 25/328** (2014.10); **B42D 25/351** (2014.10); **B42D 25/425** (2014.10); **G07D 7/003** (2017.04)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102015008971 A1 20170112; CN 107848323 A 20180327; CN 107848323 B 20191011; EP 3319812 A1 20180516; EP 3319812 B1 20190918; WO 2017008897 A1 20170119

DOCDB simple family (application)
DE 102015008971 A 20150710; CN 201680040618 A 20160708; EP 16741533 A 20160708; EP 2016001183 W 20160708