

Title (en)
SECURITY ELEMENT HAVING OPTICALLY VARIABLE STRUCTURE

Title (de)
SICHERHEITSELEMENT MIT OPTISCH VARIABLER STRUKTUR

Title (fr)
ÉLÉMENT DE SÉCURITÉ AYANT UNE STRUCTURE OPTIQUE VARIABLE

Publication
EP 2385903 B1 20170726 (DE)

Application
EP 09801937 A 20091217

Priority
• EP 2009009059 W 20091217
• DE 102009004128 A 20090105

Abstract (en)
[origin: WO2010075979A1] The invention relates to a security element having a carrier (14) having opposite first and second main surfaces and having an optically variable structure (16) present on the first main structure (18) and comprising an embossed structure (20) and a coating (24), wherein the embossed structure (20) and the coating (24) are combined so that at least partial areas of the coating (24) are completely visible when viewed perpendicularly (30), but are covered when viewed at an angle (32, 34), wherein the embossed structure (20) is formed as depressions (22) in the first main surface (18) of the carrier (14), and at least partial areas of the coating (24) are disposed in the depressions (22).

IPC 8 full level
B42D 15/00 (2006.01); **B42D 25/29** (2014.01); **B42D 25/425** (2014.01)

CPC (source: EP US)
B42D 25/29 (2014.10 - EP); **B42D 25/425** (2014.10 - US); **B42D 2033/24** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009004128 A1 20100708; EP 2385903 A1 20111116; EP 2385903 B1 20170726; EP 2385903 B8 20170830; HU E037016 T2 20180828; RU 2011132315 A 20130210; RU 2527184 C2 20140827; WO 2010075979 A1 20100708

DOCDB simple family (application)
DE 102009004128 A 20090105; EP 09801937 A 20091217; EP 2009009059 W 20091217; HU E09801937 A 20091217; RU 2011132315 A 20091217