

Title (en)
SECURITY ELEMENT

Title (de)
SICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ

Publication
EP 3271191 A1 20180124 (DE)

Application
EP 16710097 A 20160314

Priority
• DE 102015003665 A 20150320
• EP 2016000459 W 20160314

Abstract (en)
[origin: CA2980366A1] The invention relates to a security element comprising: a carrier material which has a first and a second main surface which lie opposite one another; an absorber layer, a dielectric layer and a partially reflecting layer which are arranged on the first main surface; wherein the dielectric layer is arranged between the absorber layer and the partially reflecting layer, and the absorber layer is arranged between the dielectric layer and the carrier material; and a contrast layer which, starting from the partially reflecting layer, the dielectric layer and the absorber layer, lies closest to the absorber layer. Furthermore, the invention relates to a method for producing a security element and to a document of value.

IPC 8 full level
B42D 25/00 (2014.01)

CPC (source: EP US)
B42D 25/00 (2014.10 - EP US); **B42D 25/23** (2014.10 - US); **B42D 25/29** (2014.10 - US); **B42D 25/378** (2014.10 - US);
B42D 25/45 (2014.10 - US)

Citation (search report)
See references of WO 2016150558A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102015003665 A1 20160922; CA 2980366 A1 20160929; CA 2980366 C 20190917; CN 107531074 A 20180102; CN 107531074 B 20200107;
EP 3271191 A1 20180124; EP 3271191 B1 20190313; US 2018072088 A1 20180315; WO 2016150558 A1 20160929

DOCDB simple family (application)
DE 102015003665 A 20150320; CA 2980366 A 20160314; CN 201680025567 A 20160314; EP 16710097 A 20160314;
EP 2016000459 W 20160314; US 201615559922 A 20160314