

Title (en)

SECURITY ELEMENT AND DATA CARRIER PROVIDED WITH THE SECURITY ELEMENT

Title (de)

SICHERHEITSELEMENT UND MIT DEM SICHERHEITSELEMENT AUSGESTATTETER DATENTRÄGER

Title (fr)

ÉLÉMENT DE SÉCURITÉ ET SUPPORT DE DONNÉES ÉQUIPÉ DE L'ÉLÉMENT DE SÉCURITÉ

Publication

**EP 3873749 B1 20240703 (DE)**

Application

**EP 19795455 A 20191021**

Priority

- DE 102018008549 A 20181031
- EP 2019025352 W 20191021

Abstract (en)

[origin: WO2020088791A1] The invention relates to a security element for making documents of value secure, comprising a carrier substrate, which is provided with a first thin-film element and a second thin-film element, wherein the first thin-film element is a colour-changing thin-film element, which gives a viewer the impression of different colours at different viewing angles, and the second thin-film element is a semitransparent thin-film element, which gives a viewer the impression of different colours when viewed with the light reflected and when viewed with the light shining through, wherein the first thin-film element and the second thin-film element are arranged on the carrier substrate in such a way that the second thin-film element takes the form of characters, a pattern or a coding and the first thin-film element represents a background.

IPC 8 full level

**B42D 25/351** (2014.01); **B42D 25/29** (2014.01); **B42D 25/355** (2014.01); **B42D 25/36** (2014.01); **B42D 25/373** (2014.01); **B42D 25/445** (2014.01); **B42D 25/45** (2014.01); **B42D 25/47** (2014.01)

CPC (source: EP)

**B42D 25/29** (2014.10); **B42D 25/351** (2014.10); **B42D 25/355** (2014.10); **B42D 25/36** (2014.10); **B42D 25/373** (2014.10); **B42D 25/445** (2014.10); **B42D 25/45** (2014.10); **B42D 25/47** (2014.10)

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 102018008549 A1 20200430**; CN 112888574 A 20210601; CN 112888574 B 20220726; EP 3873749 A1 20210908; EP 3873749 B1 20240703; WO 2020088791 A1 20200507

DOCDB simple family (application)

**DE 102018008549 A 20181031**; CN 201980069287 A 20191021; EP 19795455 A 20191021; EP 2019025352 W 20191021