Title (en)

OPTICALLY VARIABLE SECURITY ELEMENT WITH REFLECTIVE SURFACE REGION

Title (de)

OPTISCH VARIABLES SICHERHEITSELEMENT MIT REFLEKTIVEM FLÄCHENBEREICH

Title (fr)

ÉLÉMENT DE SÉCURITÉ OPTIQUEMENT VARIABLE À ZONE DE SURFACE RÉFLÉCHISSANTE

Publication

EP 3820715 A1 20210519 (DE)

Application

EP 19742129 A 20190709

Priority

- DE 102018005454 A 20180709
- EP 2019000212 W 20190709

Abstract (en)

[origin: WO2020011392A1] The invention relates to an optically variable security element with a multicolor a reflective surface region, the surface area of which defines a z direction perpendicular thereto. The multicolor reflective surface region contains an upper and a lower relief structure (34, 24) which are arranged at different vertical stages in the z direction, and the two relief structures are provided with a different respective upper and lower color coating (36, 26). The two relief structures overlap in an overlap region, and the upper color coating has a recess (42) in the overlap region such that a concealed section (26v) of the lower color coating (26) is arranged under the upper color coating (36) in the z direction and an exposed section (26o) of the lower color coating (26) is arranged under the recess (42) in the z direction. The lower color coating (26) together with parts of the concealed section (26v) and the exposed section (26o) become visible at an observation angle.

IPC 8 full level

B42D 25/324 (2014.01); **B42D 25/351** (2014.01)

CPC (source: EP)

B42D 25/324 (2014.10); **B42D 25/351** (2014.10)

Citation (search report)

See references of WO 2020011392A1

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 102018005454 A1 20200109; EP 3820715 A1 20210519; EP 3820715 B1 20230719; WO 2020011392 A1 20200116

DOCDB simple family (application)

DE 102018005454 A 20180709; EP 19742129 A 20190709; EP 2019000212 W 20190709