

Title (en)

SECURITY ELEMENT HAVING RELIEF STRUCTURE AND PRODUCTION METHOD THEREFOR

Title (de)

SICHERHEITSELEMENT MIT RELIEFSTRUKTUR UND HERSTELLUNGSVERFAHREN HIERFÜR

Title (fr)

ÉLÉMENT DE SÉCURITÉ AVEC STRUCTURE EN RELIEF ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 3606765 A1 20200212 (DE)

Application

EP 18713788 A 20180319

Priority

- DE 102017003281 A 20170404
- EP 2018000100 W 20180319

Abstract (en)

[origin: WO2018184715A1] The invention relates to a security element (S) for producing security documents, such as bank notes, checks, or the like, which shows a theme in front of a background, which has a relief structure (7, 10, 12-14, 16, 17), which covers a theme region (1, 4) of the security element (S) and provides the theme there and covers a background region (2) of the security element (S) and provides the background there, wherein there is an outline (3), which delimits the theme from the background, which is also formed by the relief structure, wherein the relief structure (12, 14 and 17) of the outline differs from the relief structure (10, 13, 16a) of the theme region and the relief structure (7, 16b) of the background region (2) such that there is a brightness and/or color contrast between the outline (3), on the one hand, and the theme region (1, 4) and background region (2), on the other.

IPC 8 full level

B42D 25/23 (2014.01); **B42D 25/24** (2014.01); **B42D 25/29** (2014.01); **B42D 25/324** (2014.01); **B42D 25/328** (2014.01); **B42D 25/351** (2014.01);
B42D 25/373 (2014.01); **B42D 25/425** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP)

B42D 25/23 (2014.10); **B42D 25/24** (2014.10); **B42D 25/29** (2014.10); **B42D 25/324** (2014.10); **B42D 25/328** (2014.10); **B42D 25/351** (2014.10);
B42D 25/373 (2014.10); **B42D 25/425** (2014.10); **B42D 25/45** (2014.10)

Citation (search report)

See references of WO 2018184715A1

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 102017003281 A1 20181004; CN 110520304 A 20191129; CN 110520304 B 20210622; EP 3606765 A1 20200212;
EP 3606765 B1 20220629; JP 2020517486 A 20200618; JP 7104062 B2 20220720; WO 2018184715 A1 20181011

DOCDB simple family (application)

DE 102017003281 A 20170404; CN 201880023058 A 20180319; EP 18713788 A 20180319; EP 2018000100 W 20180319;
JP 2019554354 A 20180319