

Title (en)

DOCUMENT EQUIPPED WITH LENSES FOR DETECTING FRAUD

Title (de)

MIT LINSEN ZUR DETEKTION VON BETRUG AUSGESTATTETES DOKUMENT

Title (fr)

DOCUMENT ÉQUIPÉ DE LENTILLES POUR DÉTECTION DE FRAUDE

Publication

**EP 3898249 A1 20211027 (FR)**

Application

**EP 19848784 A 20191219**

Priority

- FR 1873535 A 20181220
- FR 2019053180 W 20191219

Abstract (en)

[origin: WO2020128345A1] The invention relates to a document (DC1) comprising a stack (14) of layers including a top layer (LY1) and a bottom layer (LY3), and an internal layer (LY2) interposed between the top and bottom layers, the internal layer (LY2) being transparent or translucent so as to form a waveguide for guiding light (LG1) belonging to a first wavelength spectrum (SRI), the internal layer forming together with the top layer and the bottom layer an edge face (16) that delineates an outline of the stack, the document further comprising an array (20) of lenses (18) formed on the edge face (16) of the stack (14), the lenses being positioned along the edge face so as to make light (LG1) belonging to the first wavelength spectrum (SRI) converge or diverge when it propagates through the internal layer (LY2) so as to emerge from the document via the edge face (16), thus causing there to appear, on the edge face, a series of colour regions of at least two separate colours.

IPC 8 full level

**B42D 25/324** (2014.01); **B42D 25/351** (2014.01); **B42D 25/36** (2014.01); **B42D 25/373** (2014.01); **B42D 25/41** (2014.01); **B42D 25/435** (2014.01); **B42D 25/45** (2014.01)

CPC (source: EP)

**B42D 25/324** (2014.10); **B42D 25/351** (2014.10); **B42D 25/36** (2014.10); **B42D 25/373** (2014.10); **B42D 25/41** (2014.10); **B42D 25/435** (2014.10); **B42D 25/45** (2014.10)

Citation (search report)

See references of WO 2020128345A1

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)

**WO 2020128345 A1 20200625**; EP 3898249 A1 20211027; EP 3898249 B1 20230322; FR 3090472 A1 20200626; FR 3090472 B1 20210108

DOCDB simple family (application)

**FR 2019053180 W 20191219**; EP 19848784 A 20191219; FR 1873535 A 20181220