

Title (en)

OPTICAL STRUCTURE, ESPECIALLY FOR A SECURITY DOCUMENT AND/OR A DOCUMENT OF VALUE

Title (de)

OPTISCHE STRUKTUR, SPEZIELL FÜR EIN SICHERHEITSDOKUMENT UND/ODER EIN DOKUMENT VON WERT

Title (fr)

STRUCTURE OPTIQUE, NOTAMMENT POUR UN DOCUMENT DE SECURITE ET/OU DE VALEUR

Publication

**EP 1951528 A1 20080806 (FR)**

Application

**EP 06831348 A 20061116**

Priority

- FR 2006051186 W 20061116
- FR 0553480 A 20051116

Abstract (en)

[origin: WO2007057613A1] The present invention relates to an optical structure, especially for a security document and/or a document of value, comprising: first and second opposed outer faces, at least a first interface which includes a first array of microreliefs and is placed so that, upon passing through this first interface in the direction from the first outer face to the second outer face, light passes from a first medium having a first refractive index to a second medium having a second refractive index, greater than the first, at least a second interface comprising a second array of microreliefs and placed so that, upon passing through this second interface in the direction from the first outer face to the second outer face, light passing from a third medium having a third refractive index to a fourth medium having a fourth refractive index, less than the third, each interface having at least one portion offset relative to the other interface when the structure is observed along a direction approximately perpendicular to at least one of the outer faces.

IPC 8 full level

**B42D 15/10** (2006.01); **B42D 15/00** (2006.01); **G07D 7/12** (2006.01)

CPC (source: EP US)

**B42D 25/29** (2014.10 - EP US); **B42D 25/324** (2014.10 - US); **G07D 7/003** (2017.04 - EP US); **B42D 2035/20** (2022.01 - EP)

Citation (search report)

See references of WO 2007057613A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2893424 A1 20070518**; **FR 2893424 B1 20080125**; AT E423687 T1 20090315; BR PI0618742 A2 20110913; CA 2629926 A1 20070524; DE 602006005395 D1 20090409; EP 1951528 A1 20080806; EP 1951528 B1 20090225; EP 1951528 B2 20150624; ES 2322874 T3 20090630; ES 2322874 T5 20150918; US 2009121473 A1 20090514; US 8439402 B2 20130514; WO 2007057613 A1 20070524

DOCDB simple family (application)

**FR 0553480 A 20051116**; AT 06831348 T 20061116; BR PI0618742 A 20061116; CA 2629926 A 20061116; DE 602006005395 T 20061116; EP 06831348 A 20061116; ES 06831348 T 20061116; FR 2006051186 W 20061116; US 8503306 A 20061116