

Title (en)

SECURITY DOCUMENT INCLUDING PATTERNS WITH VARIABLE OPTICAL EFFECT

Title (de)

SICHERHEITSDOKUMENT MIT MUSTERN MIT VERÄNDERLICHEM OPTISCHEM EFFEKT

Title (fr)

DOCUMENT DE SECURITE INCORPORANT DES MOTIFS A EFFET OPTIQUE VARIABLE.

Publication

**EP 2501554 A1 20120926 (FR)**

Application

**EP 10792999 A 20101116**

Priority

- FR 0958061 A 20091116
- FR 2010052434 W 20101116

Abstract (en)

[origin: WO2011058288A1] The invention relates to a document (10) which includes a substrate (12) and a security element (20) including first (22A) and second (22B) patterns supported by the substrate (12), the substrate (12) also including a translucent or transparent area (14), with the first and second patterns (22A, 22B) at least partially extending therein. The first and second patterns (22A, 22B) are suitable for producing, inside the transparent area (14), at least first and second colours respectively when observing the document (10) by reflection and for switching said first and second colours when observing the document (10) being sent.

IPC 8 full level

**B42D 25/29** (2014.01)

CPC (source: EP US)

**B42D 25/24** (2014.10 - US); **B42D 25/29** (2014.10 - EP US); **B42D 25/351** (2014.10 - US); **B42D 25/378** (2014.10 - US); **B42D 2035/24** (2022.01 - EP); **B42D 2035/36** (2022.01 - EP)

Citation (search report)

See references of WO 2011058288A1

Cited by

US10272712B2; RU2671039C2

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)

**WO 2011058288 A1 20110519**; AU 2010317769 A1 20111027; AU 2010317769 B2 20140918; BR 112012011559 A2 20160628; CA 2778842 A1 20110519; CN 102725149 A 20121010; CN 102725149 B 20150909; EP 2501554 A1 20120926; EP 2501554 B1 20150916; FR 2952585 A1 20110520; PL 2501554 T3 20160331; RU 2012125057 A 20131227; RU 2556492 C2 20150710; ZA 201203057 B 20130130

DOCDB simple family (application)

**FR 2010052434 W 20101116**; AU 2010317769 A 20101116; BR 112012011559 A 20101116; CA 2778842 A 20101116; CN 201080051930 A 20101116; EP 10792999 A 20101116; FR 0958061 A 20091116; PL 10792999 T 20101116; RU 2012125057 A 20101116; ZA 201203057 A 20120425