

Title (en)

TAMPER-PROOF, COLOR-SHIFT SECURITY FEATURE

Title (de)

FÄLSCHUNGSSICHERES SICHERHEITSMERKMAL MIT FARBKIPPEFFEKT

Title (fr)

MARQUE DE SECURITE INFALSIFIABLE A COULEUR VARIABLE SELON L ORIENTATION

Publication

EP 1716007 B1 20080709 (DE)

Application

EP 05715300 A 20050211

Priority

- EP 2005001385 W 20050211
- AT 2362004 A 20040216

Abstract (en)

[origin: US8678442B2] A tamper-proof security element includes at least one polymer spacer layer and two metal cluster layers. One or more of the layers, in addition to their function, fulfills a security feature in their color-shift set-up.

IPC 8 full level

B42D 15/10 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)

B42D 25/00 (2014.10 - EP US); **B42D 25/29** (2014.10 - EP US); **B42D 25/324** (2014.10 - EP US); **B42D 25/36** (2014.10 - EP US); **B42D 25/373** (2014.10 - US); **B42D 25/435** (2014.10 - US); **B42D 25/47** (2014.10 - US); **B42D 2033/10** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP); **Y10T 428/24802** (2015.01 - EP US)

Cited by

DE102017007524B3; EP2420391A2; WO2012025216A1; EP2960068A1; EP2851194A1; WO2015039711A1; WO2016192828A1; EP3140127B1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005077668 A1 20050825; AT 504587 A1 20080615; AT E400449 T1 20080715; CA 2555821 A1 20050825; CA 2555821 C 20121127; DE 502005004629 D1 20080821; EP 1716007 A1 20061102; EP 1716007 B1 20080709; ES 2308450 T3 20081201; RU 2006133334 A 20080410; RU 2377134 C2 20091227; UA 91012 C2 20100625; US 2007110965 A1 20070517; US 2011291401 A1 20111201; US 8678442 B2 20140325

DOCDB simple family (application)

EP 2005001385 W 20050211; AT 05715300 T 20050211; AT 2362004 A 20040216; CA 2555821 A 20050211; DE 502005004629 T 20050211; EP 05715300 A 20050211; ES 05715300 T 20050211; RU 2006133334 A 20050211; UA A200609649 A 20050211; US 201113195985 A 20110802; US 58707405 A 20050211