

Title (en)
PARALLAX EFFECT SECURITY ELEMENT

Title (de)
SICHERHEITSELEMENT MIT PARALLAX-EFFEKT

Title (fr)
ELEMENT DE SECURITE A EFFET DE PARALLAXE

Publication
EP 2454101 B1 20130717 (FR)

Application
EP 10740386 A 20100719

Priority
• IB 2010053285 W 20100719
• FR 0955002 A 20090717

Abstract (en)
[origin: WO2011007343A1] The present invention relates to a security element (1), comprising: an optical system, comprising: a transparent or translucent substrate (2); a combined image comprising a plurality of encoded interleaved images (I1), an exposing screen (4) placed on top of the combined image, enabling the encoded images (I1) to be observed during a change in the direction of observing the security element (1) relative to the optical system, wherein the combined image and/or the exposing screen (4) comprise a layer of metal and wherein the period (p) of the exposing screen (4) and/or of the combined image (I) are less than or equal to the thickness (e) of substrate (2).

IPC 8 full level
B42D 15/00 (2006.01)

CPC (source: EP US)
B42D 25/342 (2014.10 - EP US); **B42D 25/351** (2014.10 - US); **B42D 25/373** (2014.10 - US); **G09F 3/0341** (2013.01 - EP US); **B42D 25/355** (2014.10 - EP US); **B42D 25/382** (2014.10 - EP US); **B42D 25/387** (2014.10 - EP US); **B42D 25/391** (2014.10 - EP US); **B42D 2033/10** (2022.01 - EP); **B42D 2033/16** (2022.01 - EP); **B42D 2035/16** (2022.01 - EP); **B42D 2035/20** (2022.01 - EP); **B42D 2035/36** (2022.01 - EP); **B42D 2035/50** (2022.01 - EP); **G09F 2003/0277** (2013.01 - EP US)

Cited by
CN107635789A; WO2018115515A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011007343 A1 20110120; BR 112012000900 A2 20161122; BR 112012000900 B1 20191217; CA 2768178 A1 20110120; CA 2768178 C 20170905; EP 2454101 A1 20120523; EP 2454101 B1 20130717; ES 2430225 T3 20131119; FR 2948217 A1 20110121; FR 2948217 B1 20111111; HK 1171208 A1 20130322; PL 2454101 T3 20131231; US 2012182443 A1 20120719; US 8982231 B2 20150317

DOCDB simple family (application)
IB 2010053285 W 20100719; BR 112012000900 A 20100719; CA 2768178 A 20100719; EP 10740386 A 20100719; ES 10740386 T 20100719; FR 0955002 A 20090717; HK 12111996 A 20121122; PL 10740386 T 20100719; US 201013384529 A 20100719