

Title (en)
OPTICAL SECURITY COMPONENT AND METHOD FOR MANUFACTURING SUCH A COMPONENT

Title (de)
OPTISCHE SICHERHEITSKOMPONENTE UND VERFAHREN ZUR HERSTELLUNG SOLCH EINER KOMPONENTE

Title (fr)
COMPOSANT OPTIQUE DE SÉCURITÉ ET PROCÉDÉ DE FABRICATION D'UN TEL COMPOSANT

Publication
EP 3465352 A1 20190410 (FR)

Application
EP 17729408 A 20170523

Priority
• FR 1654587 A 20160523
• EP 2017062465 W 20170523

Abstract (en)
[origin: WO2017202866A1] According to one aspect, the present description relates to an optical security component (20) comprising a first layer (23) made of dielectric material at least partially structured on one side, a second layer (22) deposited on said at least partially structured side in at least one first region and having a spectral band of reflection in the visible, and a third layer (21) made of dielectric material, this third layer being deposited on said second layer. The first layer (23) has, in the first region, at least one first structure (S) formed by a first pattern (S1) that is modulated by a second pattern (S2), said patterns being such that the first pattern forms a first diffractive element of the computer-synthesized-hologram type generating a first recognisable image in at least one first reconstruction plane, and the second pattern is a periodic grating of period comprised between 100 nm and 700 nm producing a resonant filter in a first spectral band.

IPC 8 full level
G03H 1/00 (2006.01); **B42D 25/328** (2014.01); **G02B 5/18** (2006.01)

CPC (source: EP)
B42D 25/324 (2014.10); **B42D 25/328** (2014.10); **B42D 25/41** (2014.10); **B42D 25/45** (2014.10); **G02B 5/1809** (2013.01); **G03H 1/0011** (2013.01); **G03H 1/0244** (2013.01); **G03H 1/0256** (2013.01); **G03H 1/24** (2013.01); **G03H 1/08** (2013.01); **G03H 2001/188** (2013.01); **G03H 2001/2223** (2013.01); **G03H 2001/2263** (2013.01); **G03H 2001/2273** (2013.01); **G03H 2001/303** (2013.01); **G03H 2210/33** (2013.01); **G03H 2240/50** (2013.01); **G03H 2250/10** (2013.01); **G03H 2250/34** (2013.01)

Citation (search report)
See references of WO 2017202866A1

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)
FR 3051565 A1 20171124; **FR 3051565 B1 20190621**; AU 2017270014 A1 20190117; AU 2017270014 B2 20220505; EP 3465352 A1 20190410; WO 2017202866 A1 20171130

DOCDB simple family (application)
FR 1654587 A 20160523; AU 2017270014 A 20170523; EP 17729408 A 20170523; EP 2017062465 W 20170523