

Title (en)

Diffraction security system with individualised code

Title (de)

Diffraaktives Sicherheitselement mit individualisiertem Code

Title (fr)

Élément de sécurité diffractif doté d'un code individualisé

Publication

EP 2039527 A3 20100106 (DE)

Application

EP 08015554 A 20080903

Priority

DE 102007044992 A 20070919

Abstract (en)

[origin: US2009072526A1] Described is a security element for increasing the forgery-proof nature of a security document, in particular an identity card or pass, a passport or an identification card. The security element (1) has a first diffractive region (15) having an open code which is visible with a naked eye. The first diffractive region further has a concealed code which is not visible with the naked eye and which can be reconstructed from the arrangement of diffractive microregions disposed in the first region (1) and/or from the structure of the first diffractive region (1). Further described is a method of increasing the forgery-proof nature of a security document.

IPC 8 full level

B42D 15/10 (2006.01)

CPC (source: EP US)

B42D 25/328 (2014.10 - EP US); **B42D 25/41** (2014.10 - EP US)

Citation (search report)

- [X] US 5331443 A 19940719 - STANISCI JOSEPH J [US]
- [A] WO 9300224 A1 19930107 - LIGHT IMPRESSIONS EUROP LTD [GB]

Cited by

DE102021115558A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007044992 B3 20081204; EP 2039527 A2 20090325; EP 2039527 A3 20100106; EP 2039527 B1 20141210; ES 2532369 T3 20150326; US 2009072526 A1 20090319; US 8308197 B2 20121113

DOCDB simple family (application)

DE 102007044992 A 20070919; EP 08015554 A 20080903; ES 08015554 T 20080903; US 20706608 A 20080909