

Title (en)
SECURITY ELEMENT WITH AN OPTICALLY VARIABLE STRUCTURE

Title (de)
SICHERHEITSELEMENT MIT EINER OPTISCH VARIABLEN STRUKTUR

Title (fr)
ÉLÉMENT DE SÉCURITÉ DOTÉ D'UNE STRUCTURE À EFFET OPTIQUE VARIABLE

Publication
EP 3368330 B1 20200624 (DE)

Application
EP 16793747 A 20161025

Priority
• DE 102015014039 A 20151030
• EP 2016001770 W 20161025

Abstract (en)
[origin: WO2017071803A1] The invention relates to a security element having an optically variable structure, which has an embossed structure made of embossed elements, which is combined with a coating contrasting with the surface of the security element such that at least parts of the coating are visible when viewed from a first viewing angle region, but are at least in part covered when viewed from a second viewing angle range, so that a latent image effect occurs when tipping and/or rotating the security element about an axis. The invention further relates to an embossing tool, as well as to a method for producing a security element of this type. According to the present invention, at least one second structure is arranged inside the optically variable structure, wherein the second structure forms a groove, a die-cut or a perforation of the security element in order to allow folding, bending or a partial removal of the optically variable structure.

IPC 8 full level
B42D 25/20 (2014.01); **B42D 25/30** (2014.01); **B42D 25/324** (2014.01); **B42D 25/346** (2014.01); **B42D 25/425** (2014.01); **B42D 25/435** (2014.01); **B42D 25/44** (2014.01)

CPC (source: EP)
B42D 25/20 (2014.10); **B42D 25/30** (2014.10); **B42D 25/324** (2014.10); **B42D 25/346** (2014.10); **B42D 25/425** (2014.10); **B42D 25/435** (2014.10); **B42D 25/44** (2014.10); **G09F 3/03** (2013.01); **G09F 3/0341** (2013.01); **G09F 2003/0276** (2013.01); **G09F 2003/0277** (2013.01)

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 2017071803 A1 20170504; DE 102015014039 A1 20170504; EP 3368330 A1 20180905; EP 3368330 B1 20200624

DOCDB simple family (application)
EP 2016001770 W 20161025; DE 102015014039 A 20151030; EP 16793747 A 20161025