

Title (en)

Safety element for security papers, valuable documents or the like

Title (de)

Sicherheitssystem für Sicherheitspapiere, Wertdokumente oder dergleichen

Title (fr)

Système de sécurité pour papiers de sécurité, documents de valeur ou analogues

Publication

EP 2740607 B1 20150902 (DE)

Application

EP 13005419 A 20131118

Priority

DE 102012222583 A 20121207

Abstract (en)

[origin: EP2740607A1] The system has a print pattern comprising a raster structure (5) and arranged in a layer (19) at a carrier (2). A press element (6) comprises pigments that are alignable by an external magnetic field. The press element is arranged in another layer (20) at the carrier. A magnetic element (10) comprises another raster structure (11). An image is coded in the raster structures. The raster structures are fitting to each other such that the image is perceptible if the magnetic element is arranged under the press element to align the pigments into the latter raster structure. The raster structures are designed as broad-coded line screens or a point grids. Independent claims are also included for the following: (1) a value document (2) a method for manufacturing a security system for security papers and valuable documents.

IPC 8 full level

B42D 15/00 (2006.01)

CPC (source: EP)

B41M 3/14 (2013.01); **B42D 25/342** (2014.10); **B42D 25/351** (2014.10); **B42D 25/369** (2014.10); **B42D 25/378** (2014.10)

Cited by

CN108883652A; CN109070619A; US10730336B2; US10710394B2; US10780728B2

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)

EP 2740607 A1 20140611; **EP 2740607 B1 20150902**; DE 102012222583 A1 20140626

DOCDB simple family (application)

EP 13005419 A 20131118; DE 102012222583 A 20121207