

Title (en)

VALUABLE DOCUMENT WITH AN OPTICALLY VARIABLE STRUCTURE (VARIANTS)

Title (de)

WERTDOKUMENT MIT EINER OPTISCH VARIABLEN STRUKTUR (VARIANTEN)

Title (fr)

DOCUMENT PRÉCIEUX À STRUCTURE OPTIQUEMENT VARIABLE (ET VARIANTES)

Publication

EP 2727741 B1 20180328 (EN)

Application

EP 12803793 A 20120622

Priority

- RU 2011126649 A 20110630
- RU 2012000492 W 20120622

Abstract (en)

[origin: EP2727741A2] Valuable document comprises a coating in the form of a printed raster that is made up of at least one colour which is different from the colour of the document base. The document also comprises a three-dimensional raster arranged relative to the coating so that the three-dimensional raster is at least partially disposed on the coating, is oriented substantially parallel to lines of the printed raster and together with the coating forms a latent image which is not discernible when the document is viewed at right angle. At least a portion of lines of the three-dimensional raster has an asymmetric cross-section profile with an aspect ratio of not less than 1:1.25, as a result of which the latent image becomes visible in the form of coloured elements or a single-colour region when the viewing angle changes. Changing the viewing direction by 180 degrees without any change in the viewing angle results in a change in the optical density or colour gamut of at least a part of the latent image. The invention enhances the counterfeit protection of a valuable document with an optically variable image and makes it possible for an untrained user to carry out a visual authenticity check.

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (publication)

EP 2727741 A2 20140507; **EP 2727741 A4 20150527**; **EP 2727741 B1 20180328**; CN 103764403 A 20140430; CN 103764403 B 20160203; CO 6920269 A2 20140410; RU 2467879 C1 20121127; WO 2013002680 A2 20130103; WO 2013002680 A3 20130314

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