

Title (en)

MULTILAYERED PROTECTED COMPOSITION (VARIANTS) AND ARTICLE CONSISTING OF SAID COMPOSITION

Title (de)

MEHRSCHICHTIGE GESCHÜTZTE ZUSAMMENSETZUNG (VARIANTEN) UND ARTIKEL AUS DIESER ZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE PROTECTION À COUCHES MULTIPLES (ET VARIANTES) ET ARTICLE FABRIQUÉ À PARTIR DE CETTE COMPOSITION

Publication

**EP 3023258 A4 20170405 (EN)**

Application

**EP 14825812 A 20140625**

Priority

- RU 2013133315 A 20130718
- RU 2014000453 W 20140625

Abstract (en)

[origin: EP3023258A1] The invention relates to a multilayered protected composition, in particular to multilayered paper products having special properties which protect securities or valuable documents from counterfeit. The multilayered protected composition is formed with an additional multilayered element, which is formed on the surface of paper and includes a multicolor coating in the form of a periodic raster made by at least two inks of different colors which are contrasted relative to the surface of the paper and lie outside of the range of the color coverage of the CMYK system. The inks comprise luminescent compounds having daytime luminescence in the visible spectrum of light under the natural light. Combinations of inks are such that the cumulative color of the additional protection element is perceived visually as being unsaturated and close to achromatic. The multilayered protection element can form a graphical figure or be part of a figure which changes its visual image by virtue of changing its color gamut, optical density and/or saturation when a document is copied on a printer operating using CMYK color system.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] US 6210777 B1 20010403 - VERMEULEN LEO [BE], et al
- [A] WO 0217283 A1 20020228 - HA HONG JU [KR]
- [A] US 6155168 A 20001205 - SAKAMOTO MASAKI [JP]
- See references of WO 2015009200A1

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