

Title (en)

MULTI-LAYERED POLYMERIC ARTICLE, SUCH AS AN IDENTIFICATION DOCUMENT

Title (de)

MEHRSCHICHTIGER POLYMERARTIKEL, WIE ETWA EIN IDENTIFIKATIONS-DOKUMENT

Title (fr)

ARTICLE POLYMÈRE MULTICOUCHES, COMME UN DOCUMENT D'IDENTITÉ

Publication

**EP 3210794 B1 20181212 (EN)**

Application

**EP 15863210 A 20151007**

Priority

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- RU 2015000649 W 20151007

Abstract (en)

[origin: EP3210794A1] The invention relates to counterfeit-protected printed products, in particular, to a multi-layered polymeric article such as an identification document. Article comprises a plurality of polymeric layers joined without adhesive, at least one of the layers having colored identifying and individualizing images inscribed therein. Images are inscribed in the form of semi-transparent pixel matrixes consisting of thin-film pixel elements with sub-pixel structures consisting of areas with metallized diffraction gratings. At least two polymeric layers are joined by fusion. Pixel matrixes are formed on surfaces between fused layers, one the layers being transparent, and consist of pixels of a size of 30 to 200 µm spaced apart by a distance of 30 to 500 µm.

IPC 8 full level

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Cited by

FR3093302A1; CN113508040A; JP2022522135A; FR3142016A1; WO2023133632A1; WO2020174153A1

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DOCDB simple family (publication)

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