

Title (en)

COUNTERFEIT-PROTECTED DATA CARRIER AND METHOD FOR MANUFACTURING SAME

Title (de)

FÄLSCHUNGSSICHERER DATENTRÄGER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

SUPPORT D'INFORMATIONS PROTÉGÉ CONTRE LES CONTREFAÇONS ET PROCÉDÉ DE FABRICATION

Publication

**EP 2913197 A4 20160914 (EN)**

Application

**EP 13848518 A 20130712**

Priority

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Abstract (en)

[origin: EP2913197A1] The invention relates to counterfeit-protected data carriers and methods for protecting printed products against counterfeit. Data carrier has a transparent portion with graphic elements disposed on both sides thereof in the form of a high resolution line screen, said graphic elements forming a periodic structure, wherein the elements are mutually arranged such that they form an image which is hidden when viewed in reflected light and visible when viewed in transmitted light; furthermore, when viewed from a different direction in transmitted light the image changes from positive to negative and vice versa, and/or the color of the image changes completely or partially, and/or the effect of motion of monochrome or multi-colored moire fringes appears. Method for manufacturing the data carrier comprises applying graphic elements to both sides of a transparent portion of the carrier by printing. The data carrier retains its flatness after printing. The invention enhances the security of products, provides a novel optically variable effect and/or a motion effect, as well as improves the production effectiveness and reduces the cost of the security element.

IPC 8 full level

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Citation (search report)

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