

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

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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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