

Title (en)

SECURITY ELEMENT FOR A DATA CARRIER, DATA CARRIER AND METHOD OF PRODUCTION OF THE SECURITY ELEMENT AND USE OF THE SECURITY ELEMENT FOR PRODUCTION OF A DATA CARRIER

Title (de)

SICHERHEITSELEMENT FÜR EINEN DATENTRÄGER, DATENTRÄGER UND VERFAHREN ZUR HERSTELLUNG DES SICHERHEITSELEMENTS UND VERWENDUNG DES SICHERHEITSELEMENTS ZUR HERSTELLUNG EINES DATENTRÄGERS

Title (fr)

ÉLÉMENT DE SÉCURITÉ POUR UN SUPPORT DE DONNÉES, SUPPORT DE DONNÉES ET PROCÉDÉ DE PRODUCTION DE L'ÉLÉMENT DE SÉCURITÉ ET UTILISATION DE L'ÉLÉMENT DE SÉCURITÉ POUR LA PRODUCTION D'UN SUPPORT DE DONNÉES

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Application

EP 20214994 A 20201217

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PL 43225819 A 20191218

Abstract (en)

The present invention relates to a security element for a data carrier comprising at least one layer, completely or partially transparent, with a thickness of at least 0.03 mm, wherein the at least one layer of the security element is at least partially susceptible to being marked by printing or laser marking, characterised in that it comprises:- a security pattern (301), wherein the security pattern (301) is located in such a way that the area of the security pattern (301) at least partially overlaps with the transparent area of the security element, so that the security pattern (301) is at least partially visible from both sides of the security element, wherein the security pattern (301) comprises at least two security markings (A, B), wherein each security marking (A,B) consists of bands arranged in intervals so that the corresponding edges of the bands being a part of a given security marking are at equal distance (P) from each other, and each band being a part of one security marking (301) is adjacent on each side to a band being a part of a different security marking; and/or- a revealing element (401), wherein the location of the revealing element (401) at least partially overlaps with the transparent area of the security element, so that the revealing element is at least partially visible from both sides of the security element, wherein the revealing element (401) comprises a set of parallel opaque lines (411) and transparent lines (412) acting as gaps located between the opaque lines (411), wherein the period (R) of the revealing element (401) is the sum of the width (L) of an opaque line (411) and the width (G) of a transparent line (412); wherein the security pattern (301) and/or the revealing element (401) are applied by means of printing or laser marking, wherein above or below the applied security pattern (301) and/or the revealing element (401), at a distance of at least 0.03 mm, within the same layer or in a different layer of the security element, there is another surface susceptible to being marked by printing or laser marking, wherein the security element, at least in the transparent area, does not comprise reflective material. The invention also relates to a data carrier comprising the security element according to the invention, a method of manufacturing the security element according to the invention and use of the security element according to the invention to manufacture a data carrier.

IPC 8 full level

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