

Title (en)

SECURITY ELEMENT, METHOD FOR THE MANUFACTURE THEREOF, AND USE THEREOF

Title (de)

SICHERHEITSELEMENT UND VERFAHREN ZUM HERSTELLEN DESSELBEN SOWIE VERWENDUNG DES SICHERHEITSELEMENTS

Title (fr)

ÉLÉMENT DE SÉCURITÉ, SON PROCÉDÉ DE FABRICATION ET L'UTILISATION D'UN TEL ÉLÉMENT DE SÉCURITÉ

Publication

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Application

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Abstract (en)

[origin: WO2012175191A2] The invention relates to a method for producing a security element (12) for securing valuable objects, comprising a covering ink layer (14) that includes a background zone (16) as well as a marking zone (18) in the form of patterns, characters, or a code, which are introduced using laser radiation and can be detected both visually (20) and by machine (22). Said method comprises the step of applying a covering ink layer (14) containing multilayer pigments (60) to a substrate, and the step of introducing a mark (18) in the form of patterns, characters, or a code into the ink layer (14) using laser radiation, the quality of the multilayer pigments (60) and the intensity of the laser radiation being selected such that the mark (18) is brighter than the background zone (16) in the visible spectral range and can thus be visually (20) detected while being more absorbent than the background zone (16) in the infrared spectral range and thus being detectable by machine (22).

IPC 8 full level

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