

Title (en)
SECURITY ELEMENT WITH PRINTING INKS THAT VARY UPON ILLUMINATION WITH ELECTROMAGNETIC RADIATION IN THE INFRARED WAVELENGTH RANGE

Title (de)
SICHERHEITSELEMENT MIT BEI BELEUCHTUNG MIT ELEKTROMAGNETISCHER STRAHLUNG IM INFRAROTEN WELLENLÄNGENBEREICH UNTERSCHIEDLICHEN DRUCKFARBEN

Title (fr)
ÉLÉMENT DE SÉCURITÉ PRÉSENTANT DES ENCRE D'IMPRESSION DIFFÉRENTES LORS DE L'ÉCLAIRAGE PAR UN RAYONNEMENT ÉLECTROMAGNÉTIQUE DANS LA PLAGE DES LONGUEURS D'ONDE INFRAROUGES

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Application
EP 20733192 A 20200609

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Abstract (en)
[origin: WO2020249259A1] The invention relates to a security element for application to a surface of a valuable document or at least partial embedding into a substrate of the valuable document, for example a banknote or a passport, wherein the security element consists of a plastics film. According to the invention, at least one printing ink which is transparent in the infrared wavelength range of electromagnetic radiation (referred to hereinafter as IR-transparent printing ink) and has a first reflectance value and at least one printing ink which is absorbent in the infrared wavelength range of electromagnetic radiation (referred to hereinafter as IR-absorbing printing ink) and has a second reflectance value are applied to the plastics film of the security element, the separation between the first and second reflectance values being at least 40%.

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