Title (en)

METHOD FOR PRODUCING A SECURITY ELEMENT

Title (de)

VERFAHREN ZUM HERSTELLEN EINES SICHERHEITSELEMENTS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DE SÉCURITÉ

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Application

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Abstract (en)

[origin: WO2018072881A2] The invention relates to a method for producing a security element (12) comprising a flip image, the method comprising the following steps: providing a substrate (14) having a region with a dye that is sensitive to laser radiation. forming a plurality of microstructures (26) on the substrate (14), each microstructure (26) being formed such that it focuses radiation incident on a front face of the substrate (14) onto said region; and irradiating the microstructures (26) with a set (28) of parallel laser beams at a first angle to the substrate (14), the individual laser beams of the set (28) being arranged such that a structure of a first flip image (18) is created, which image can be discernible from the front face at a viewing angle associated with the first angle (α); wherein the dye that is sensitive to laser radiation changes its colour by irradiation with a specific laser radiation; and wherein the first flip image (18) displays a colour effect caused by the colour change.

IPC 8 full level

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