

Title (en)

OPTICALLY VARIABLE SECURITY ELEMENT AND METHOD FOR PRODUCING AN OPTICALLY VARIABLE SECURITY ELEMENT

Title (de)

OPTISCH VARIABLEN SICHERHEITSELEMENT UND VERFAHREN ZUM ERZEUGEN EINES OPTISCH VARIABLEN SICHERHEITSELEMENTS

Title (fr)

ÉLÉMENT DE SÉCURITÉ À EFFET OPTIQUE VARIABLE ET PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DE SÉCURITÉ À EFFET OPTIQUE VARIABLE

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Application

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Abstract (en)

[origin: WO2022100883A1] The invention relates to an optically variable security element which, viewed from the top, has a layer sequence. The layer sequence contains a micro-structure (2) which provides a motif that is visible from the top, and which micro-structure has a period of 2 µm to 50 µm and is achromatic. Furthermore, the layer sequence has a reflective layer (4) that is arranged on the micro-structure (2) and reflects incident light, and has a viewing-angle-dependent layer (6; 14). The reflective layer (4) or the viewing-angle-dependent layer (6; 14) has at least one recess (15), and the other one of the two is unstructured. That layer that has the recess (15) lies on top of the other layer, which is unstructured, as viewed from the top. Instead of the recess and the reflective layer, the security element can have an unstructured, viewing-angle-dependent layer (6; 14) and an unstructured, semi-reflective reflective layer (16; 18).

IPC 8 full level

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