

Title (en)
OPTICALLY VARIABLE SECURITY ELEMENT

Title (de)
OPTISCH VARIABLES SICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ OPTIQUEMENT VARIABLE

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Application
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Abstract (en)
[origin: WO2022053174A1] The invention relates to an optically variable security element (12) having a reflective flat region (20), which, in front illumination, shows at least two optically variable effects which can be detected from different viewing directions and appear with different first and second colours, and which, in rear illumination, shows an image in a third different colour. According to the invention, the reflective flat region (20) contains two separate relief structures (24, 34) which form a lower and a higher relief structure and which overlap in a feature region. The higher and lower relief structure (24, 34) are each provided with a reflection-increasing coating (26, 36) which follow the course of the relief and which have a wavelength-dependent reflection and transmission in the visible spectral range and have at least one reflection band and at least one transmission band. One reflection band of the second reflection-increasing coating (26) is at least partially in a transmission band of the first reflection-increasing coating (36) and overlaps at least one transmission band of the two reflection-increasing coatings (26, 36).

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