

Title (en)
OPTICALLY VARIABLE SECURITY ELEMENT

Title (de)
OPTISCH VARIABLES SICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ OPTIQUEMENT VARIABLE

Publication
EP 3291997 A1 20180314 (DE)

Application
EP 16723655 A 20160504

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Abstract (en)
[origin: WO2016177470A1] The invention relates to an optically variable security element (12) for the protection of valuable items, which, depending on the viewing angle, shows a motif having at least one curve representation (14A, 14B), which from a first viewing direction is visible as output curve having two or more contiguous, non-collinear segments (18), and which, upon tilting the security element (12), breaks up about a pre-defined axis into the individual segments (18) in that the segments (18) of the output curve alternately move away from the output curve in different directions. The security element comprises a planar motif region (20) having a plurality of optically active elements (30, 32, 34, 36), which in each case steer incident light in a preferred direction. One motion segment (22) in form of a partial region of the planar motif region (20) is assigned to the segments (18) of the output curve of the planar motif region (20), in which the optically effective elements (30, 32, 34, 36) are arranged and oriented such that from the first viewing direction the optically effective elements show the output curve together with the contiguous segments (18), and from viewing directions tilted around the pre-defined axis, the optically effective elements show curve representations, in which the segments (18) are alternately situated in different directions, and at an increasing tilting angle, are increasingly situated further away from the output curve.

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Citation (search report)
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