

Title (en)
OPTICALLY VARIABLE TRANSPARENT SECURITY ELEMENT

Title (de)
OPTISCH VARIABLES DURCHSICHTSSICHERHEITSELEMENT

Title (fr)
ÉLÉMENT DE SÉCURITÉ TRANSPARENT VARIABLE OPTIQUEMENT

Publication
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Application
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Abstract (en)
[origin: CA2963024A1] The invention relates to an optically variable transparent security element (12) for safeguarding valuables, said security element comprising a planar, optically variable surface pattern that when looked through displays a coloured appearance having a multi-coloured colour change that is dependent on the viewing angle. According to the invention, the optically variable surface pattern contains a plurality of facets (32) which create a substantially optical effect under radiation, the orientation of each facet being characterised by an angle of inclination α with respect to the plane of the surface pattern, which angle of inclination is between 0° and 45°, and by an azimuth angle T in the plane (30) of the surface pattern. The facets (32) are provided with an interference layer (36) which has a colour change in transmitted light depending on the viewing angle, and the optically variable surface pattern contains at least two partial regions (16, 18) each having a plurality of facets (32) that are oriented in the same direction, wherein the facets (32) of the at least two partial regions (16, 18) differ from one another in the angle of inclination with respect to the plane and/or in the azimuth angle in the plane.

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