

Title (en)

Support comprising at least one safety element arranged so as to create an optical illusion

Title (de)

Halterung, die mindestens ein Sicherheitselement umfasst, das zur Schaffung einer optischen Täuschung eingerichtet ist

Title (fr)

Support comportant au moins un élément de sécurité agencé de manière à créer une illusion optique

Publication

EP 1849915 A3 20081001 (FR)

Application

EP 07300972 A 20070423

Priority

FR 0651528 A 20060428

Abstract (en)

[origin: EP1849915A2] The safety and/or value document e.g. identity card and passport, comprises a first safety element (3), a second safety element (4) different from the first safety element, a paper, and a degradation motif. Authentication elements that are visible and/or detectable using specific detection device are used as the first safety element. The elements have variable optical effects of interference and/or diffraction, iridescent or liquid crystal effect, magnetic/crystalline coating, magnetic fibers, and tracers detected by magnetic resonance. The safety and/or value document e.g. identity card and passport, comprises a first safety element (3), a second safety element (4) different from the first safety element, a paper, and a degradation motif. Authentication elements that are visible and/or detectable using specific detection device are used as the first safety element. The elements have variable optical effects of interference and/or diffraction, iridescent or liquid crystal effect, magnetic/crystalline coating, magnetic fibers, tracers detected by magnetic resonance and by X-fluorescence, biomarkers, luminescent tracers, fluorescent or phosphorescent, and thermochromic, photochromic, electroluminescent and/or piezochromic compounds and/or which color changes in contact with predetermined chemical or biochemical products, radio frequency identification devices and watermarks arranged to create an optical illusions. The second safety element is arranged to create the optical illusion, a contrast illusion, movement illusion, sparkling illusion, relief illusion, contour illusion, geometrical illusion and color illusion. The second safety element comprises first and second zone of a first color, a third zone of a second color surrounding the first zone, a fourth zone of a third color different from the second zone. The different zones and different colors are selected to create the contrast illusion. The document comprises a set of repetitive motif, preferably degradation squares on a bottom. The second safety element comprises impression or demetallization, and a magnetic ink, an iridescent or fluorescent ink, biological and/or chemical tracer and an information code. Independent claims are included for: (1) a security article; and (2) a product comprises a safety and/or value document.

IPC 8 full level

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CPC (source: EP US)

B42D 25/25 (2014.10 - US); **B42D 25/26** (2014.10 - US); **B42D 25/29** (2014.10 - EP); **B42D 25/333** (2014.10 - US); **B42D 25/355** (2014.10 - US); **B42D 25/36** (2014.10 - US); **B44F 7/00** (2013.01 - EP); **D21H 21/40** (2013.01 - EP US); **B42D 2035/20** (2022.01 - EP)

Citation (search report)

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AL BA HR MK RS

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