

Title (en)

Security elements with negative colored indicia

Title (de)

Sicherheitselement mit negativen farbigen Codierungen

Title (fr)

Element de securité avec indications colorées négatives

Publication

**EP 1516956 A1 20050323 (DE)**

Application

**EP 04021871 A 20040915**

Priority

AT 14582003 A 20030917

Abstract (en)

In security element, having opaque layer(s) with partly or completely colored, (un)connected gaps on a transparent or translucent substrate, the substrate comprises a colored, flexible plastics film and those areas with the opaque coating are partly or completely decolorized with a bleach. Independent claims are also included for the following: (1) film material comprising the above opaque layer(s) with gaps and substrate film, optionally (partly) bleached in areas with opaque coating; (2) production of the security element comprising partial application of the bleach; application of the opaque (non)metallic coating and then the printing ink containing dye in a suitable solvent, followed by metallization and partial demetallization. The bleach and printing ink are applied by spin coating, spreading, vapor deposition, printing (gravure, flexographic, screen, offset or digital printing), spraying, sputtering or roll application.

Abstract (de)

Die Erfindung betrifft ein Sicherheitselement, das auf einem transparenten oder transluzenten Trägersubstrat mindestens eine opake Schicht mit zusammenhängenden oder nicht zusammenhängenden Aussparungen aufweist, wobei die Aussparungen partiell oder vollflächig färbig erscheinen, wobei als Trägersubstrat eine gefärbte flexible Kunststoffolie verwendet wird, wobei jene Bereiche der Kunststoffolie, die die opake Beschichtung aufweisen gegebenenfalls partiell oder vollflächig mittels eines Bleichmittels entfärbt sind.

IPC 1-7

**D21H 21/42**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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