Title (en)

ANTIFALSIFICATION PAPER

Title (de)

SICHERHEITSPAPIER

Title (fr)

PAPIER DE SECURITE

Publication

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Application

EP 99931205 A 19990628

Priority

- DE 19829004 A 19980630
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Abstract (en)

[origin: EP1365069A2] The security structure of paper (1), to prevent forgery, has a coating (5) on at least one side in a composition which contains simply a bonding agent without any filling materials. The composition gives a coating weight of 1-6 g/m2 and preferably 2-3 g/m2 on the paper. The bonding agent in the coating composition is an acrylate or a mixture of polymers or copolymers with a high acrylic content. The composition has at least one material, in a small concentration, with a visual and/or machine readable characteristic. The material can also be luminescent, magnetic, electrically conductive, light refractive or interfering or polarizing. The added material is present only partially in the coating, preferably as a pattern. The paper is of fibers from annual plants, and preferably cotton, and it can be at least partially of synthetic fibers and preferably of polyamide. The paper is not glued. The coating is applied only partially over the paper surface, and the uncoated zones are printed with effect ink pigments. The printing on the paper can also be covered by the applied coating. An Independent claim is included for a production process where the paper is produced on a papermaking machine, followed by surface coating with a number of layers in register. The paper can be glued before coating.

IPC 1-7

D21H 19/10; D21H 21/40

IPC 8 full level

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CPC (source: EP KR)

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