

Title (en)
Security paper

Title (de)
Sicherheitspapier

Title (fr)
Papier de sécurité

Publication
EP 1365069 A3 20040609 (DE)

Application
EP 03017392 A 19990628

Priority
• DE 19829004 A 19980630
• EP 99931205 A 19990628

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 19/30; D21H 21/40

IPC 8 full level
B44F 1/12 (2006.01); **D21H 19/10** (2006.01); **D21H 21/40** (2006.01); **D21H 19/20** (2006.01)

CPC (source: EP KR)
B42D 25/445 (2014.10 - KR); **B42D 25/465** (2014.10 - KR); **D21H 19/10** (2013.01 - EP); **D21H 21/40** (2013.01 - EP); **D21H 19/20** (2013.01 - EP)

Citation (search report)
• [A] WO 9738867 A1 19971023 - I D TEC S L [ES], et al
• [A] US 4874188 A 19891017 - GRAVISSE PHILIPPE [FR], et al

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WO2006117804A3; WO2014108331A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1365069 A2 20031126; EP 1365069 A3 20040609; AT E259916 T1 20040315; AU 4779099 A 20000117; CN 1238603 C 20060125; CN 1307658 A 20010808; DE 19829004 A1 20000105; DE 59908592 D1 20040325; DK 1099024 T3 20040621; EP 1099024 A1 20010516; EP 1099024 B1 20040218; ES 2216529 T3 20041016; ID 27465 A 20010412; KR 20010071507 A 20010728; PT 1099024 E 20040630; WO 0000697 A1 20000106

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