

Title (en)
Method of preparing a security document

Title (de)
Verfahren zur Herstellung eines Sicherheitsdokumentes

Title (fr)
Procédé de fabrication d'un document de sécurité

Publication
EP 1338430 A1 20030827 (EN)

Application
EP 03250978 A 20030218

Priority
GB 0203916 A 20020219

Abstract (en)
A method of preparing a security document which comprises printing on at least one side of a security paper and thereafter applying to at least one side of the printed security paper over the printing a substantially transparent coating composition comprising an unpigmented polyurethane and/or polyacrylate, said coating composition being such as to provide a film, when cast on a glass surface, that has a K_nig hardness of from 15 to 130 seconds, and also passes the water resistance test as defined by the following steps: (a) the total formulation to be used in the coating is cast on a glass plate so as to produce a film with a dry weight of 80 g/m²; (b) the film is initially dried at 23 DEG C and once tack free dried for an additional hour at 80 DEG C; (c) the film is weighed before being wetted and tested for tensile strength and Young's Modulus and is visually checked for any change in transparency; (d) a sample of the film is boiled in water containing 10 g/litre Na₂CO₃ for 30 minutes; (e) the film is then rinsed in cold water and the steps (b) to (c) are then repeated; wherein when the film is dried and re-weighed the film meets the following criteria: (i) the wet tensile strength and Young's Modulus of the boiled film are not less than 90% of the initial film wet tensile strength and Young's Modulus; (ii) the film shows no perceptible loss of transparency; and (iii) the dried weight of the film is not less than 98% of the original weight.

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Citation (search report)
• [YD] WO 9628610 A1 19960919 - PORTALS LTD [GB], et al
• [Y] DATABASE WPI Section Ch Week 199816, Derwent World Patents Index; Class A25, AN 1998-173829, XP002237390
• [Y] DATABASE WPI Section Ch Week 199816, Derwent World Patents Index; Class A25, AN 1998-173640, XP002237391

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