

Title (en)
HIGH SECURITY PAPER AND PROCESS OF MANUFACTURE

Title (de)
HOCHSICHERES PAPIER UND HERSTELLUNGSVERFAHREN

Title (fr)
PAPIER HAUTE SÉCURITÉ ET PROCÉDÉ DE FABRICATION ASSOCIÉ

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Application
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Abstract (en)
[origin: WO2006117804A2] The invention relates to high security paper wherein the security feature(s) is/are incorporated into the paper during the manufacturing process using a polymeric film as a carrier for the security feature(s). The invention enables the security feature(s) to be delivered at precise places into security paper used for such diverse applications as bank notes, passport paper, visa paper, security documents, etc. The polymeric film may be a cold water soluble film or hot water soluble film or water insoluble hydrophilic film or a or a non soluble non hydrophilic film or a combination of these films or slit strips of any of these woven or intertwined offline and incorporated into the paper during the paper making process. Alternatively the polymeric film may comprise zone coating or discreet printing or zone extrusion striping or formation of hot water soluble film on preformed cold water soluble film which is then inserted into paper during the paper making process. The combination of polymeric films may be plain or wholly or partially perforated. The security features may be light source readable or machine readable or both.

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