Title (en)

IMPROVEMENTS IN FORMING SECURITY DEVICES

Title (de)

VERBESSERUNG BEI DER HERSTELLUNG VON SICHERHEITSVORRICHTUNGEN

Title (fr)

AMÉLIORATIONS CONCERNANT LA FABRICATION DE DISPOSITIFS DE SÉCURITÉ

Publication

EP 2069148 A1 20090617 (EN)

Application

EP 07732867 A 20070521

Priority

- GB 2007001845 W 20070521
- GB 0610540 A 20060526

Abstract (en)

[origin: GB2438384A] Forming security devices on substrates that can be used in varying shapes and sizes for various authenticating or security applications, particularly an optically variable security device utilising liquid crystal films. The method of forming a customisable security device 10 comprises the steps of applying a liquid crystal film 11 to a base substrate 16, applying an at least partially absorbing layer 12 to at least a part of one side of the liquid crystal film 11, and applying a customising layer 13 to at least a part of an opposite side of the liquid crystal film in selected regions. The customising layer modifies the appearance of the liquid crystal film such that contrasting regions are provided between those regions B covered by the customising layer and those A not covered by the customising layer, and the customising layer is applied after application of the security device to the substrate. The customising layer may be a scattering layer in the form of a matt varnish or lacquer. This modifies the appearance of the colour shifting liquid crystal film.

IPC 8 full level

B41M 3/14 (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP GB US)

B42D 25/29 (2014.10 - GB); **B42D 25/355** (2014.10 - EP US); **B42D 25/364** (2014.10 - US); B42D 25/23 (2014.10 - US); B42D 25/24 (2014.10 - US); B42D 25/29 (2014.10 - US); B42D 2033/26 (2022.01 - EP GB); B42D 2035/24 (2022.01 - EP)

Citation (search report)

See references of WO 2007138255A1

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