

Title (en)
SECURITY DEVICES AND METHODS OF MANUFACTURE THEREOF

Title (de)
SICHERHEITSVORRICHTUNGEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)
DISPOSITIFS DE SÉCURITÉ ET LEURS PROCÉDÉS DE FABRICATION

Publication
EP 3445592 B1 20211110 (EN)

Application
EP 17719686 A 20170418

Priority
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• GB 2017051075 W 20170418

Abstract (en)
[origin: GB2549481A] A method of manufacturing a security device (e.g. for banknote or passport), having a relief structure (e.g. a hologram) located in a window section of the device, thus allowing it to be observed from both sides of the device; it comprises the steps: (a) providing a first layer 2b comprising at least a partially translucent or transparent region; (b) applying a pattern defining substance 6 on the first transparent layer, excluding at least one first region (R1, figure 1) on the surface of the first layer aligned with the translucent or transparent region; (c) applying a formable material 3 to a second region of the first surface; (d) forming the formable material (e.g. by embossing) such that its surface distal from the first layer follows the contours of a first optically variable effect generating relief structure in the window region; and (e) applying a reflection enhancing material (e.g. a metal or alloy) over the formable material to form a reflection enhancing layer which follows the contour of the relief structure; subsequently the pattern defining material will be removed (e.g. by washing) including all material overlapping it, thereby limiting the reflection enhancing layer to the relief structure.

IPC 8 full level
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