

Title (en)

Process for personalising a picture on a plastic substrate and a personalised security document

Title (de)

Personalisierungsverfahren zur Erzeugung eines Bildes auf einem Kunststoffsubstrat und personalisiertes Sicherheitsdokument

Title (fr)

Procédé pour personnaliser une image sur un substrat en plastique et un document personnalisé de sécurité

Publication

EP 1747897 A1 20070131 (DE)

Application

EP 06117995 A 20060727

Priority

- DE 102005035948 A 20050728
- DE 102006029797 A 20060627

Abstract (en)

A personalized image (3a, 3b) is formed on a security document plastics substrate by: (a) obtaining image data from a subject for the image; (b) converting the image data into text data by assigning characters, so that image contours, color differences and shading are retained; (c) programming a laser or printing device with the data; and (d) burning or printing the characters on the substrate surface. A personalization method for generating an image (3a, 3b) on a plastics substrate of a security document involves: (a) obtaining image data from a subject for the image; (b) converting the image data into text data, by assigning characters to individual local adjacent and combined image data, so that image contours, color differences and shading are retained; (c) programming a laser device with the text data; and (d) burning the characters present as text data with a laser beam from a laser device movable along the substrate surface. Independent claims are included for: (1) a variant of the process, comprising steps (a) and (b) as above followed by (c') programming a thermo-direct or retransfer printing device with the text data and (d') printing the characters present as text data on the substrate surface using the printing device; (2) a corresponding device, consisting of devices (i) for obtaining the image data from an image subject, (ii) converting the image data into text data and (iii) programming a laser device or a thermo-direct or retransfer printing device; and (3) a personalized security document, with a plastics substrate on which an image of characters has been burned with a laser or printed.

IPC 8 full level

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Citation (search report)

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