

Title (en)

Method and apparatus for generating three dimensional information on a surface

Title (de)

Verfahren und Einrichtung zum Erzeugen von dreidimensionalen Informationen auf einer Oberfläche

Title (fr)

Procédé et système pour fabriquer des informations à trois dimensions sur une surface

Publication

EP 1674287 A1 20060628 (DE)

Application

EP 04030387 A 20041222

Priority

EP 04030387 A 20041222

Abstract (en)

The method involves applying a mass (14) fixable by energy radiation on a surface (12) of a card. An adjustable energy beam (31) of a radiation energy source (30) is directed onto the mass on the surface. Information (11) is generated by fixing an area of the mass using the beam, where a non-fixable remaining area of the mass is removed from the surface. Intensity of the energy beam is controlled by an electrical signal. An independent claim is also included for a device for generating three dimensional information e.g. an image and/or a figure and/or a letter, on a surface of a card e.g. credit card.

IPC 8 full level

B42D 15/10 (2006.01)

CPC (source: EP US)

B42D 25/00 (2014.10 - EP); **B42D 25/20** (2014.10 - US); **B42D 25/41** (2014.10 - EP); **B42D 25/435** (2014.10 - US)

Citation (search report)

- [X] US 4604344 A 19860805 - IRVING EDWARD [GB], et al
- [X] WO 2004030928 A1 20040415 - NOTE PRINTING AU LTD [AU], et al
- [X] GB 1045585 A 19661012 - AUTOGRAPHIC BUSINESS FORMS
- [X] GB 1293722 A 19721025 - GRACE W R & CO [US]
- [X] US 4410562 A 19831018 - NEMOTO YUHEI [JP], et al
- [A] EP 0385583 A2 19900905 - SHARP KK [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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