

Title (en)

Card of thermoplastics material with security masks visible at least from the top.

Title (de)

Karte aus thermoplastischem Kunststoff mit mindestens in der Aufsicht visuell wahrnehmbaren Sicherheitszeichen.

Title (fr)

Carte en matière thermoplastique munie de marques de sécurité visibles au moins d'en haut.

Publication

EP 0157921 A2 19851016 (DE)

Application

EP 84114907 A 19820216

Priority

CH 142181 A 19810303

Abstract (en)

[origin: CA1181110A] INVENTION: A PLANAR CARD MADE OF A THERMOPLASTIC MATERIAL HAVING VISUALLY RECOGNIZABLE SAFETY MARKINGS AND METHOD OF MANUFACTURING SUCH CARD In order to form safety markings at a planar card made of a plastics material, which card may be used, for instance, as credit card, this card is built up from at least two parts. The inner border area between these two parts comprises a relief-like structure which is the carrier of the safety marking. In order to generate a watermark-like effect the upper part is made of a opaque plastic material and the other part is made of a transparent plastics material. When viewing through this card the areas of the opaque layer having the largest thickness appear as darker areas, whereby when viewing the same way the areas having a smaller thickness show a certain brightness. After being embossed the two parts of the thermoplastic material are joined to each other such that they cannot be separated such that no access from the outside is possible to this safety marking. Accordingly, an additional safety factor is arrived at in cards which can be used as money substrate, identification means or a license for any kind of access.

Abstract (de)

Zur Ausbildung von Sicherheitsmerkmalen bei einer ebenen Karte (1) aus Kunststoff, die etwa als Kreditkarte Verwendung finden kann, ist diese aus mindestens zwei Teilen (2,3) aufgebaut. Die innere Grenzfläche zwischen diesen Teilen weist eine Reliefstruktur auf, die mit einer Farbbedruckung (9,10) versehen ist. Die beiden Teile (2,3) aus thermoplastischem Kunststoff werden nach der Prägung untrennbar miteinander verbunden, so dass das Sicherheitsmerkmal von aussen unzugänglich ist. Dadurch wird ein zusätzlicher Sicherheitsfaktor bei Karten geschaffen, die als Geldsubstrat, Identifikationsmittel oder Zutrittsausweis einsetzbar sind.

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B42D 15/02

IPC 8 full level

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CPC (source: EP US)

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US6036233A; EP1325816A3; DE10047359A1; RU2718489C2; US6283509B1; WO9717211A1; EP2691573B1; EP2403719B1; EP2403719B2

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