

Title (en)
METHOD FOR MANUFACTURING A CARD BODY, CARD BODY, SEPARATING TOOL AND APPARATUS FOR MANUFACTURING A CARD BODY

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KARTENKÖRPERS, KARTENKÖRPER, TRENNUNGSWERKZEUG UND VORRICHTUNG ZUR HERSTELLUNG EINES KARTENKÖRPERS

Title (fr)
PROCÉDÉ DE FABRICATION D'UN CORPS DE CARTE, CORPS DE CARTES, OUTIL DE SÉPARATION ET APPAREIL DE FABRICATION D'UN CORPS DE CARTE

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Abstract (en)
The invention relates to a method for manufacturing a multilayer card body (1), in particular for a portable data carrier, with improved properties in that the side surface of the card body is sealed during separation or after it has been separated from a laminated sheet. Further, the invention relates to a card body (1), manufactured according to the method. Besides, the invention relates to a corresponding separating tool (20). Moreover, the invention relates to an apparatus for manufacturing a multilayer card body (1). The method comprises laminating together at least two layers (2, 4) to form a laminated sheet, separating the multilayer card body from the laminated sheet, eg by cutting, milling or punching out. The sealing can be carried out by heating, eg by ultrasonic waves, by destroying and, thereby, activating capsules (14) containing adhesive, by applying a sealing material (30) to the side surface (10), wherein the sealing means (30) is an adhesive, a varnish or a solvent, by subjecting the side surface (10) to UV radiation (50) or IR illumination (60), by subjecting the side surface (10) to laser radiation (70), or by using mechanical or laser engrafted edges or micro-structuring. The separating tool (20) can be heated so as to cut and heat-seal at the same time.

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Citation (search report)
• [XA] US 2002130186 A1 20020919 - LASCH ELLEN [US], et al
• [XA] DE 102012215742 A1 20140306 - BUNDESDRUCKEREI GMBH [DE]
• [X] WO 2007048563 A2 20070503 - OVD KINEGRAM AG [CH], et al
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