COMMONWEALTH OF AUSTRALIA  
PATENTS ACT 1952

APPLICATION FOR A STANDARD PATENT

I/We, HERLITZ AKTIENGESELLSCHAFT

of Reuchlinstr. 10-17,  
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hereby apply for the grant of a standard patent for an invention entitled PROCEDURE FOR COATING THE SURFACES OF CUT-OUT CARDS.

which is described in the accompanying provisional/complete specification.

Details of basic application(s):

<table>
<thead>
<tr>
<th>Number of basic application</th>
<th>Name of Convention country in which basic application was filed</th>
<th>Date of basic application</th>
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My/our address for service is care of CLEMENT HACK & CO., Patent Attorneys, 140 William Street, Melbourne, Victoria, 3000, Australia.

DATED this 27th day of JULY 1983.

HERLITZ AKTIENGESELLSCHAFT

To: The Commissioner of Patents:

PF/App/8/82
Claim

1. Procedure for coating the surfaces of cut-out cards which are used for the manufacture of document files, ring-binders or the like, with synthetic material, characterized in that, either simultaneously or one after the other, the two surfaces of the cut-out cards have an extruded synthetic material sheeting in the form of a viscidous liquid applied directly to them, in which case very slight overhangs are produced at the edges which are then applied to the side and end surfaces of the cut-out material.
PROCEDURE FOR COATING THE SURFACES OF CUT-OUT CARDS.

The following statement is a full description of this invention, including the best method of performing it known to me:

PF/CP1F/2/80
PROCEDURE FOR COATING THE SURFACES OF CUT-OUT CARDS

The invention relates to a procedure for coating the surfaces of cut-out cards which are used in the production of document files, ring-binders or the like, with a synthetic material.

Methods are already known by which cut-out cards which serve for the production of document files or the like may be laminated or provided with a coating consisting of PVC-sheeting. This latter is applied in a relatively expensive procedure, that is to say, the starting point is from already fabricated sheeting which is fixed onto the surface of the cut-out cards by means of an adhesive and the edges or borders are then heat-sealed together. Quite apart from the amount of labour required, the use of finished sheeting which, for processing reasons, must have a specified least thickness of 180 \( \mu \), makes it a very costly business. In the methods of production which have been formerly used there is a significant amount of wastage of the PVC-sheeting used for the processing.

The problem to be solved by the invention is to create a procedure of the type initially referred to by means of which it is possible to achieve at least similar results to those obtained with former surfacing methods for cut-out card with considerably less expenditure of effort and material.

The further development of the procedure will become apparent from the characteristics given in the subsidiary Claims.

The advantages to be derived from the invention include the following:

- the synthetic layer may be applied directly without the use of adhesive, because the extruded sheeting which is still a highly viscous liquid is intimately bonded to the surface of the card,

- the starting material for the sheeting may be inexpensive, monochromatic polyethylene- or polypropylene-granules of any desired color,
- a thickness of the coating layer much less than 80 μ, for example 50 μ,
may be achieved which means that the consumption of material is
extremely small. The PVC-wastage which is generated in the known
manufacturing procedures, that is to say, in the heat-sealing of the
cut-out card into PVC-sheeting, is also eliminated.

The procedure will be sufficiently understandable from the Patent
Claims, so that no further description is necessary. To implement the
procedure it is possible to use appropriately modified extrusion devices
with broad flat-slot nozzles which are known per se.
The Claims defining the invention are as follows:

1. Procedure for coating the surfaces of cut-out cards which are used for the manufacture of document files, ring-binders or the like, with synthetic material, characterized in that either simultaneously or one after the other, the two surfaces of the cut-out cards have an extruded synthetic material sheeting in the form of a very viscous liquid applied directly to them, in which case very slight overhangs are produced at the edges which are then applied to the side and end surfaces of the cut-out material.

2. Procedure in accordance with Claim 1, characterized in that the application of the edge-overhangs is undertaken by blowing on them with a stream of hot air.

3. Procedure in accordance with Claim 1, characterized in that the application of the edge-overhangs is undertaken by means of pressure rollers.

4. Procedure in accordance with Claim 1, characterized in that the material for the synthetic sheeting may be polyethylene- or polypropylene-granules.

DATED this 27th day of JULY, 1983

HERLITZ AKTIENGESELLSCHAFT
By its Patent Attorneys:

CLEMENT HACK & CO.