Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).
Description

[0001] The present invention relates to an element for manufacturing a binding folder or a display board and a method that makes use of such an element for manufacturing the binding folder or the display board.

[0002] More specifically the invention is intended for manufacturing a binding folder, for example, consisting of a U-shaped back and two endpapers for binding a bundle of leaves, such as leaves with photographs for the realisation of a photo album.

[0003] Such an element is already known from Belgian patent No. 1,018,467, which discloses an element according to the preamble of claim 1, in the form of a semi-finished product from which a binding folder can be produced, and this element is primarily flat and primarily formed by a support that is formed by two flat sheets that will form the endpapers, and in between a central flat strip from which the back will be formed subsequently, and which are connected together by means of a cover that is affixed over or around these sheets and strip.

[0004] The support on the outside has a layer of hot-melt adhesive that extends to the outer surface of the support over one flat side of the support and over an edge section along the periphery of the other flat side of the support.

[0005] Because they are primarily flat, such elements are easy to store in stacks without taking up a lot of room.

[0006] These elements enable professional-looking binding folders to be made in a relatively simple way, with a personalised cover that is selected for example from a stock of covers of a diverse nature, for example with regard to material, texture, printing and similar.

[0007] For this purpose a desired cover is chosen whose dimensions are larger than the dimensions of the periphery of the element concerned, and this cover is laid on a table, after which the element, with the flat side provided with hot-melt adhesive turned downwards, is laid on the cover and then the cover is folded back over the edges along the edges of the element up to against the edge sections with hot-melt adhesive on the other side of the element.

[0008] By applying heat the cover is bonded to the element by first melting the hot-melt adhesive, after which it is all allowed to cool down in order to enable the hot-melt adhesive to solidify again.

[0009] Then by deforming the aforementioned central strip of the element, a U-shaped back is realised in which a bundle of leaves can be bound.

[0010] A disadvantage of the known elements is that the edging is laborious and requires a certain amount of skill and takes time.

[0011] Moreover the edging requires extra facilities in the device with which the elements are converted into a binding folder, which makes this device more complex and expensive and the purchase of it is only justified for a sufficiently large volume of binding folders.

[0012] The edging requires a lot of moving parts, such that the risks of failure, as well as the costs of maintenance and repair, increase.

[0013] Moreover the risk of incorrect operations hereby increases, as well as the waste arising from them due to failed binding folders.

[0014] Training for the operation of the device is thus almost essential, which causes an additional cost and recalcitrance.

[0015] In the aforementioned patent, the other side of the element can be provided with a cover that is bonded partially overlapping the folded-back edges of the first cover.

[0016] This has the disadvantage that an inconvenient thicker edge occurs at the location of the overlap of the two covers.

[0017] The purpose of the invention is to provide a solution to at least one of the aforementioned and other disadvantages.

[0018] To this end the invention concerns an element for manufacturing a binding folder, whereby the element is a semi-finished product from which a binding folder can be manufactured and which is primarily flat and primarily formed by a support that is formed by or composed of one or more flat sheets and a cover that is affixed over or around this sheet or sheets, whereby on one side the support is provided with a layer of hot-melt adhesive that extends up to a distance from the edges of the support, and this to affix a finishing cover on this side of the support that is smaller than the periphery of the support.

[0019] An advantage is that the finishing cover can be smaller than the support and that the finishing cover no longer has to be folded back around the edges of the support, and thus no adhesive has to be provided along the edges of the other side of the support.

[0020] This implies that the device to affix the finishing cover can be much simpler, and also that the operation of this device is much simpler and the training of the operator can be done much more quickly. Due to the simple operation, the risk of failures and waste is also very low.

[0021] Another advantage is that such an element can be manufactured cheaply but the finished product nevertheless creates a professional impression.

[0022] By the hot-melt adhesive being applied beforehand, it can be applied in a precise quantity, such that when affixing a finishing cover, the right quantity of adhesive is in place, without a surplus or shortage of adhesive.

[0023] Moreover, in this way the adhesive can be applied uniformly, without there being local zones with a surplus or shortage of adhesive.

[0024] Additionally a protective covering of the adhesive layer is not needed, because this is not sticky at the normal ambient temperatures.

[0025] Because the constituent parts of the support are entirely or partially surrounded by the cover, these constituent parts always preserve their correct position with respect to one another, and thus also when the element is heated to liquefy the hot-melt adhesive in order to affix...
In a preferred embodiment the layer of hot-melt adhesive is sufficiently thin so that it doesn’t flow out when a finishing cover is applied under pressure.

This results in achieving good adhesion despite the use of a minimal quantity of adhesive.

In practice this means that the layer is thinner than 50 micrometres.

In order to obtain sufficient adhesive strength, the layer is preferentially thicker than 20 micrometres, and is more preferably between 25 and 35 micrometres.

Preferably the layer of hot-melt adhesive is applied to the support by means of a sheet that is bonded to the support, and the side turned away from the support is provided with the layer of hot-melt adhesive concerned beforehand.

The sheet with the hot-melt adhesive can be affixed, for example, by machine using a Kolbus adhesive machine or similar during the production of the element intended for the production of a display board, whereby in this case the aforementioned finishing cover is a poster, for example an advertising poster, a calendar, a photograph or similar.

The present invention also relates to a method for manufacturing a binding folder or a display board, which starts with an element according to the invention as described above, and whereby, to manufacture the binding folder or the display board, a printed or unprinted finishing cover or a poster is affixed with the unprinted side covering the layer of hot-melt adhesive of the support and bonded thereto by heating the hot-melt adhesive in order to allow it to melt, and then letting it cool down again in order to enable the hot-melt adhesive to solidify again.

In a preferred variant the finishing cover is bonded to the support under pressure.

In order to manufacture a binding folder, additionally the central strip can be deformed into a U-shaped back, if desired.

An advantage is that this method is very user-friendly as a user does not require any skill or professional knowledge and the application of the method does not require qualified and trained personnel.

This starts, for example, with a stock of primarily flat semi-finished elements and a stock of preprinted or otherwise finishing covers or posters, whereby to form the binding folder according to choice, a combination is made from these aforementioned stocks in order to compose a binding folder or a display board according to the desire of the end user.

Optionally, on the side of the support opposite between these elements 3,4.

Preferably, at the location of the connection of the strip 3 with a sheet 4, the cover 5 forms a hinge 6 chosen for each side of the support 2, for example.

Preferably, the layer of hot-melt adhesive is over or between these elements 3,4.

With the intention of better showing the characteristics of the invention, a few preferred embodiments of an element according to the invention are described hereinafter by way of an example, without any limiting nature, with reference to the accompanying drawings, wherein:

figure 1 shows a schematic perspective view of a practical embodiment of an element according to the invention to form a binding folder;

figure 2 shows a bottom view according to arrow F2 of figure 1;

figure 3 shows a cross-section according to the line III-III of figure 2 on a larger scale;

figures 4 to 8 schematically show a few steps of the method according to the invention, making use of an element according to figure 1;

figures 9 and 10 show alternative embodiments of an element according to the invention.

The element 1 according to the invention to form a binding folder shown in figures 1 to 3 is a semi-finished product that primarily consists of a flat support 2 that is formed by a central flat strip 3 and two flat sheets 4 on either side of the aforementioned strip.

Furthermore, the central strip 3 is intended to later form the back of the binding folder and the two sheets 4 are intended to form the endpapers of the binding folder. In the example shown, the strip 3 is thinner than the sheets 4, but this does not necessarily have to be the case.

The support 2 has a cover 5 that is over or around the central strip 3 and sheets 4.

The cover 5 can be manufactured from paper or cardboard. However it is preferable to have a cover 5 of white, black or coloured paper, preferably paper with a density of 90 gram/m².

It goes without saying that the invention is not limited to this, and that other materials such as linen can also be used as a cover 5.

Of course it is also possible for the cover 5 to have a number of parts and that a different material is chosen for each side of the support 2, for example.

Preferably, the location of the connection of the strip 3 with a sheet 4, the cover 5 forms a hinge 6 between these elements 3,4.

Although in the example of figures 1 to 3, the sheets 4 and the central strip 3, are connected together on the top and underside by a cover 5, according to the
According to the invention, the support 2 is provided with a layer of hot-melt adhesive 7 on one side that extends to a distance D from the edges 8 of the support 2, all such that on the side concerned of the support 2 an edge 9 is obtained that is free of hot-melt adhesive 7.

The layer of hot-melt adhesive 7 preferably extends to a distance D a few millimetres from the aforementioned edge 8 of the support 2, for example around two millimetres from the edge 8.

The layer of hot-melt adhesive 7 is preferably applied to the support 2 by means of a sheet 10 that is bonded to the support 2 during production of the element and that the side of the sheet 10 turned away from the support 2 is provided with the layer of hot-melt adhesive 7 concerned beforehand.

The sheet 10 with the hot-melt adhesive 7 on it is bonded to the support 2 during production, for example by means of an adhesive machine of the Kolbus® make or similar.

In a practical embodiment of the invention, the element 1 is provided with an adhesive strip 11 for the subsequent securing of a bundle of leaves in the binding folder.

In a practical embodiment of the invention, the adhesive strip 11 can be provided in the form of a strip of heat-sensitive hot-melt adhesive, and the central strip 3 is made of metal, steel or other thermally conductive material, all such that when binding the bundle of leaves the heat supplied is conducted well.

In an alternative embodiment of the invention not shown in the drawings, the adhesive strip 11 can also be in the form of a self-adhesive strip, that may or may not be protected by a thin protective sheet, and this protective layer can be easily removed by the user for binding a bundle of leaves.

The adhesive strip 11 can be applied to the cover 5 at the location of the central strip 3, or directly to the central strip 3 in the absence of a covering layer 5.

The method for manufacturing a binding folder by means of an element 1 according to the invention is very simple and is illustrated on the basis of figures 4 to 7.

In a first step a desired element 1 and a suitable finishing cover are selected from a stock by the user.

The user can choose this finishing cover 12 as desired and it is clear that many materials, such as paper or cardboard, are suitable for this purpose. This finishing cover 12 can be printed beforehand or otherwise, or if desired can be printed locally. It goes without saying that other materials such as leather, linen, plastic or similar can be used as a finishing cover 8.

The finishing covers 12 have dimensions that are primarily equal to the dimensions of the periphery of the layer of hot-melt adhesive 7 on the support, all such that the finishing cover can completely cover the layer of hot-melt adhesive 7 and the finishing cover 12 extends to a few millimetres from the edge 8 of the support.

The finishing cover is then affixed with the unprinted side covering the layer of hot-melt adhesive 7, as shown in figure 4, and bonded thereto by heating in order to melt the hot-melt adhesive 7 and then allowing it to cool again in order to solidify the hot-melt adhesive 7.

In practice a hot-melt adhesive 7 is used whose melting temperature is lower than the temperature at which the traditionally used toner powders and printing inks are damaged, so as not to damage any print on the finishing cover.

Optionally, as illustrated in figure 5, on the side of the support 2 opposite the side with the layer of hot-melt adhesive 7, an additional finishing cover 13 can also be applied that is provided with a hot-melt adhesive 14 with which this additional finishing cover 13 is affixed to the support 2.

By heating and cooling, this additional cover can be bonded to the support 2.

As shown in figure 6, the heating can be realised for example by moving the support 2 with a finishing cover 12 and/or 13 between heated rollers 15 on one or both sides of the support 2 in order to melt the hot-melt adhesive 7 and which also exert a certain pressure on the finishing cover 12 and 13, if need be followed by cooled rollers 16 to solidify the hot-melt adhesive 7 more quickly.

During this heating operation, when there is an adhesive strip 11 of hot-melt adhesive, this adhesive strip 11 can be shielded from heat during the heating process.

If desired the finishing cover 12 and/or 13 are first provisionally secured to the support 2 by local heating at a few points to keep the finishing covers perfectly in place when they are moved between the rollers 15 and/or 16.

Alternatively, the support 2 with the finishing covers 12 and/or 13 can be pressed between two heated platens to affix the finishing covers.

In the embodiment shown, the additional finishing cover 13 is formed by two half additional finishing covers on either side of the central strip 3 of the support 2, but it is of course also possible to provide the additional finishing cover 13 in the form of one continuous additional cover, which in this case also extends over the central strip 3.

Preferably use is made of an additional finishing cover 13 whose dimensions are chosen such that the additional finishing cover 13 extends to a few millimetres from the edge 8 of the support 2, for example up to around two millimetres from the edge 8.

It is clear that in this case there are no overlaps of the covers 12 and 13 and thus a thicker edge does not occur as in the known elements, as described in the Belgian patent No. 1.018.467.

A possible last step is illustrated on the basis of figures 7 and 8, whereby the central strip 3 is deformed into a U-shaped back 17, for example by means of a stamp 18.
A binding folder 19 is thus obtained, as shown in figure 8, with a U-shaped back 17 with an adhesive strip 11 therein and two endpapers 20.

Such a binding folder 19 can be used to bind a bundle of leaves 21 in a known way by inserting a free edge 22 of this bundle into the back 17, and heating this back 17 with suitable equipment to make the adhesive strip 11 liquid, and by pressing the edge 22 into the molten adhesive and allowing it to cool in order to solidify the adhesive again.

In an alternative embodiment of the invention, as shown in figure 9, the support 2 can be constructed as a continuous flat sheet 23, for example cardboard, and cutaways 24 are made in this sheet 23 to demarcate a central strip or sheet section 3 from which the back can be formed, flanked by two sheet sections 3 that will form the endpapers.

Of course it is not ruled out that a number of cutaways 24 are provided in the sheet 23.

In this example, a ring mechanism 25, instead of an adhesive strip 11, is secured to the central strip 3, with which a bundle of perforated leaves can be bound in the folder.

It is clear that a method according to the invention is within reach of everyone and thus does not require highly qualified skilled workers.

Moreover, the method enables binding folders 19 with a very professional appearance to be realised in a very flexible way, whereby it can start locally with a stock of elements 1 that can be covered according to choice with printed or unprinted finishing covers 12 to be selected from a stock, and optionally an additional finishing cover 13 also to be selected from a stock of covers 13 that are already provided with a hot-melt layer 14.

The drawings only show the invention schematically and the proportions between the different elements, primarily the thicknesses, have been drawn out of proportion, only for the purpose of being able to better explain the invention on the basis of the drawings.

Figure 10 shows an alternative embodiment of an element 1 according to the invention, which in this case is intended for manufacturing a display board.

In this case the support 2 is formed by a single completely flat continuous sheet 23 that is provided with a cover 5, whereby in this case the support 2 is also provided with a layer of hot-melt adhesive 7 on one side that extends up to a distance D from the edges 8, and this to affix a finishing cover 12 in the form of a poster or similar on this side of the support 2.

The further method to affix a poster to the element is analogous to the method described above on the basis of figures 1 to 6.

Additionally, a hanging system 26 can be fastened to the back of the display board to be able to hang the display board, or alternatively a stand not shown in the drawings in order to be able to place the display board somewhere in an upright position.

The present invention is by no means limited to the variants described as an example and shown in the drawings, but an element for manufacturing a binding folder and a method applied thereto can be realised in all kinds of variants, without departing from the scope of the invention.

Claims

1. Element for manufacturing a binding folder (19) or for manufacturing a display board, whereby the element (1) is a semi-finished product that is primarily flat and primarily formed by a support (2) that is formed by or composed of one or more flat sheets and a cover (5) that is affixed over or around the sheet or sheets (4), whereby on one side the support (2) is provided with a layer of hot-melt adhesive (7), to affix a finishing cover (12) or a poster or similar on said side of the support (2), characterised in that the layer of hot-melt adhesive extends up to a distance (D) from the edges (8) of the support (2).

2. Element according to claim 1, characterised in that it is provided to manufacture a display board, whereby in this case the support is formed by a single completely flat continuous sheet that is provided with a cover (5), and whereby one side of the support (2) is provided with a layer of hot-melt adhesive (7) that extends up to a distance (D) from the edges (8) of the support (2), and this to affix a finishing cover (12) in the form of a poster or similar on this side of the support (2).

3. Element according to claim 1, characterised in that in order to manufacture a binding folder (19) it is provided with a U-shaped back (17) and two endpapers (20), whereby in this case the support is formed by or composed of two flat sheets (4) or sheet sections that will form the endpapers (20) and a central flat strip (3) or central sheet section located in between, from which the back (17) will be subsequently formed, and which are provided with a cover (5) that is affixed over or around these sheets (4) or sheet sections, characterised in that one side of the support (2) is provided with a layer of hot-melt adhesive (7) that extends up to a distance (D) from the edges (8) of the support (2), and this to affix a finishing cover (12) on this side of the support (2).

4. Element according to any one of the previous claims, characterised in that the layer of hot-melt adhesive (7) extends up to a few millimetres from the aforementioned edge (8) of the support (2).

5. Element according to claim 4, characterised in that the layer of hot-melt adhesive (7) extends to around two millimetres from the edge (8) concerned of the support (2).
6. Element according to any one of the previous claims, \textit{characterised in that} the cover (5) consists of paper.

7. Element according to any one of the previous claims, \textit{characterised in that} the layer of hot-melt adhesive (7) on the support (2) is applied by means of a sheet (10) that is bonded to the support (2), and that the side (2) turned away from the support is provided with the layer of hot-melt adhesive (7) concerned beforehand.

8. Element according to any one of the claims 3 to 7, \textit{characterised in that} the element (1) is provided with an adhesive strip (11) of binding adhesive for the subsequent securing of the bundle of leaves (21) in the binding folder (19).

9. Element according to claim 8, \textit{characterised in that} the aforementioned adhesive strip (11) of binding adhesive is formed by a hot-melt adhesive that is applied at the location of the central strip (3) and that the central strip (3) is made of metal.

10. Element according to claim 9, \textit{characterised in that} the adhesive strip (11) of binding adhesive is formed by a self-adhesive strip that is protected by a removable protective sheet.

11. Element according to any one of the claims 3 to 10, \textit{characterised in that} the support (2) is formed by a continuous flat sheet (23), that is provided with one or more cutaways (24) in the sheet concerned (23) in order to demarcate the sheet sections (4) that will form the endpapers (20) and the central sheet section that will form the back (17).

12. Element according to any one of the previous claims, \textit{characterised in that} the element (1) on the side with the layer of hot-melt adhesive (7) is provided with a finishing cover (12) that can be printed and which extends to a few millimetres from the edges (8) of the support (2) and whose peripheral dimensions are primarily equal to the dimensions of the periphery of the layer of hot-melt adhesive (7).

13. Element according to any of the previous claims, \textit{characterised in that} the layer of hot-melt adhesive (7) has a thickness superior to 20 micrometres.

14. Element according to any of the previous claims, \textit{characterised in that} the layer of hot-melt adhesive (7) has a thickness inferior to 50 micrometres.

15. Binding folder, \textit{characterised in that} it is formed by an element (1) according to any one of the claims 3 to 14, whereby the central strip (3) has been deformed into a U-shaped back (17).

16. Method for manufacturing a binding folder or a display board, \textit{characterised in that} this method starts with an element (1) according to any one of the claims 1 to 13, and that to manufacture the binding folder (19) or the display board, a printed or unprinted finishing cover (12) or a poster is affixed with the unprinted side covering the layer of hot-melt adhesive (7) on one side of the support and bonded thereto by heating the hot-melt adhesive (7) in order to allow it to melt, and then letting it cool down again in order to enable the hot-melt adhesive (7) to solidify again.

17. Method according to claim 16, \textit{characterised in that} the finished cover (12) is bonded to the support (2) under pressure.

18. Method according to claim 16 or 17, \textit{characterised in that} on the side of the support (2) opposite the side with the layer of hot-melt adhesive (7), an additional finishing cover (13) is applied that is provided with a hot-melt adhesive (14) with which this additional finishing cover (13) is affixed to the support, and then the whole is heated and cooled to affix the finishing covers (12 and 13) to both sides of the support.

19. Method according to any of claims 16 to 18, \textit{characterised in that}, if there is an adhesive strip (11) of hot-melt adhesive, this adhesive strip (11) is shielded from the heat during the heating process.

20. Method according to claim 16 to manufacture a binding folder with a U-shaped back (17) and two endpapers (20), \textit{characterised in that} the central strip (3) is deformed into a U-shaped back (17).

21. Method according to any of the claims 17 to 20, \textit{characterised in that} it starts with a stack of primarily flat elements (1), a stack of preprinted or otherwise finishing covers (12) or preprinted or otherwise posters for finishing the side of the support (2) with a layer of hot-melt adhesive (7), optionally a stock of finishing covers (13) already provided with a layer of hot-melt adhesive (14) for finishing the other side of the support (2), whereby, to form the binding folder (19) or the display board according to choice, a combination is made from the aforementioned stocks in order to compose a binding folder (19) or a display board according to the desires of the end user.

\textit{Patentansprüche}

1. Element zur Herstellung einer Bindemappe (19) oder zur Herstellung einer Anzeigetafel, wobei das Element (1) ein Halbfertigprodukt ist, das im Wesentlichen flach ist und im Wesentlichen durch einen Trä-
Element nach einem der vorgenannten Ansprüche, dadurch gekennzeichnet, dass die Schicht Schmelzkleber (7) auf dem Träger (2) mittels eines Blatts (10) angebracht wird, das auf den Träger (2) geklebt wird und das die von dem Träger abgewandte Seite (2) im Voraus mit der betreffenden Schicht Schmelzkleber (7) versehen ist.

Element nach einer der Ansprüche 3 bis 7, dadurch gekennzeichnet, dass das Element (1) mit einem Klebestreifen (11) aus Einbindeklebstoff zur späteren Befestigung eines Bündels von Blättern (21) in der Bindemappe (19) versehen ist.

Element nach Anspruch 8, dadurch gekennzeichnet, dass der vorgenannte Klebstreifen (11) aus Einbindeklebstoff durch einen Schmelzkleber gebildet wird, der an der Stelle des zentralen Streifens (3) angebracht wird, und dass der zentrale Streifen (3) aus Metall hergestellt ist.

Element nach Anspruch 9, dadurch gekennzeichnet, dass der vorgenannte Klebstreifen (11) aus Einbindeklebstoff durch einen selbstklebenden Streifen gebildet wird, der durch eine entfernbare Schutzfolie geschützt ist.

Element nach einem der Ansprüche 3 bis 10, dadurch gekennzeichnet, dass der Träger (2) durch einen kontinuierlichen Streifen gebildet wird, der an der Stelle des zentralen Streifens (3) angebracht wird und das die von dem Träger abgewandte Seite (2) im Voraus mit der betreffenden Schicht Schmelzkleber (7) versehen ist, und wovon die Umfangsabmessungen im Wesentlichen gleich den Abmessungen des Umfanges der Schicht Schmelzkleber (7) sind.

Element nach einem der vorgenannten Ansprüche, dadurch gekennzeichnet, dass die Schicht Schmelzkleber (7) an der Seite mit der Schicht Schmelzkleber (7) mit einer Fertigstellungsabdeckung (12) versehen ist, die bedruckt sein kann und die sich bis auf einige Millimeter von den Rändern (8) des Trägers (2) erstreckt, und wovon die Umfangsabmessungen im Wesentlichen gleich den Abmessungen des Umfanges der Schicht Schmelzkleber (7) sind.

Element nach einem der vorgenannten Ansprüche, dadurch gekennzeichnet, dass die Schicht Schmelzkleber (7) eine Dicke von mehr als 20 Mikrometern aufweist.

Element nach einem der vorgenannten Ansprüche, dadurch gekennzeichnet, dass die Schicht Schmelzkleber (7) eine Dicke von weniger als 20 Mikrometern aufweist.

Element nach einem der vorgenannten Ansprüche, dadurch gekennzeichnet, dass die Schicht Schmelzkleber (7) eine Dicke von mehr als 20 Mikrometern aufweist.
bis 14 gebildet wird, wobei der zentrale Streifen (3) zu einem U-förmigen Rücken (17) verformt worden ist.

16. Verfahren zur Herstellung einer Bindemappe oder einer Anzeigetafel, dadurch gekennzeichnet, dass dieses Verfahren von einem Element (1) nach einem der Ansprüche 1 bis 13 ausgeht, und dass zur Herstellung der Bindemappe (19) oder der Anzeigetafel eine bedruckte oder unbedruckte Fertigstellungsabdeckung (12) oder ein Poster, deren bzw. dessen unbedruckte Seite die Schicht Schmelzkleber (7) bedeckt, an einer Seite des Trägers angebracht wird und daran geklebt wird, indem der Schmelzkleber (7) erhitzt wird, um diesen zu schmelzen zu lassen, und man ihn dann wieder abkühlen lässt, um ein erneutes Verfestigen des Schmelzklebers (7) zu gestatten.

17. Verfahren nach Anspruch 16, dadurch gekennzeichnet, dass die Fertigstellungsabdeckung (12) unter Druck an den Träger (2) geklebt wird.

18. Verfahren nach Anspruch 16 oder 17, dadurch gekennzeichnet, dass auf der Seite des Trägers (2) gegenüber der mit der Schicht Schmelzkleber (7) eine zusätzliche Fertigstellungsabdeckung (13) angebracht wird, die mit einem Schmelzkleber (14) versehen ist, womit diese zusätzliche Fertigstellungsabdeckung (13) an dem Träger befestigt wird, und dann das Ganze erhitzt und abgekühlt wird, um die Fertigstellungsabdeckungen (12 und 13) an beider Seiten des Trägers zu befestigen.


20. Verfahren nach Anspruch 16 zur Herstellung einer Bindemappe mit einem U-förmigen Rücken (17) und zwei Vorsatzblättern (20), dadurch gekennzeichnet, dass der zentrale Streifen (3) zu einem U-förmigen Rücken (17) verformt wird.


Revendications

1. Élément pour fabriquer un dossier de reliure (19) ou pour fabriquer un panneau d’affichage, l’élément (1) représentant un produit semi-fin qui est principalement plat et qui est formé à titre principal par un support (2) qui est formé par ou composé d’une ou de plusieurs feuilles plates et d’une couverture (5) qui est fixée pardessus ou autour de la feuille ou des feuilles (4), un côté du support (2) étant muni d’une couche d’un adhésif thermofusible (7) pour fixer une couverture de finition (12) ou une affiche ou analogue sur le côté du support (2) caractérisé en ce que la couche de l’adhésif thermofusible s’étend jusqu’à une distance (D) à partir des bords (8) du support (2).

2. Élément selon la revendication 1, caractérisé en ce qu’il est prévu pour fabriquer un panneau d’affichage, le support étant, dans ce cas, formé par une feuille unique continue complètement plate qui est munie d’une couverture (5), et un côté du support (2) étant muni d’une couche d’un adhésif thermofusible (7) qui s’étend jusqu’à une distance (D) à partir des bords (8) du support (2), et ceci pour fixer une couverture de finition (12) sous la forme d’une affiche ou analogue sur ce côté du support (2).

3. Élément selon la revendication 1, caractérisé en ce que, pour fabriquer un dossier de reliure (19), il est muni d’un dos en forme de U (17) et de deux papiers de garde (20), le support étant, dans ce cas, formé par ou composé de deux feuilles plates (4) ou de deux sections de feuilles qui vont former les papiers de garde (20) et d’une bande centrale plate (3) ou d’une section de feuille centrale disposée entre les deux, à partir de laquelle le dos (17) sera formé par la suite, et qui sont munies d’une couverture (5) qui est fixée pardessus ou autour de ces feuilles (4) ou de ces sections de feuilles, caractérisé en ce qu’un côté du support (2) est muni d’une couche d’un adhésif thermofusible (7) qui s’étend jusqu’à une distance (D) à partir des bords (8) du support (2), et ceci pour fixer une couverture de finition (12) sur ce côté du support (2).

4. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que la couche de l’adhésif thermofusible (7) s’étend jusqu’à une distance de quelques millimètres à partir du bord susmentionné (8) du support (2).
5. Élément selon la revendication 4, caractérisé en ce que la couche de l’adhésif thermofusible (7) s’étend jusqu’à une distance d’environ deux millimètres à partir du bord (8) concerné du support (2).

6. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que la couverture (5) est constituée de papier.

7. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que la couche de l’adhésif thermofusible (7) sur le support (2) est appliquée au moyen d’une feuille (10) qui est collée au support (2), et en ce que le côté (2) qui se détourne du support est muni à l’avance de la couche de l’adhésif thermofusible (7) concernée.

8. Élément selon l’une quelconque des revendications 3 à 7, caractérisé en ce que l’élément (1) est muni d’une bande adhésive (11) d’un adhésif de liaison pour la fixation ultérieure de la liasse de feuilles (21) dans le dossier de reliure (19).

9. Élément selon la revendication 8, caractérisé en ce que la bande adhésive susmentionnée (11) de l’adhésif de liaison est formée par un adhésif thermofusible qui est appliqué à l’endroit où est située la bande centrale (3), et en ce que la bande centrale (3) est réalisée en métal.

10. Élément selon la revendication 9, caractérisé en ce que la bande adhésive (11) de l’adhésif de liaison est formée par une bande autoadhésive qui est protégée par une feuille de protection amovible.

11. Élément selon l’une quelconque des revendications 3 à 10, caractérisé en ce que le support (2) est formé par une feuille plate continue (23) qui est munie d’une ou de plusieurs découpes (24) dans la feuille concernée (23) pour pouvoir démarquer les sections de feuilles (4) qui vont former les papiers de garde (20) et la section de feuille centrale qui va former le dos (17).

12. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que l’élément (1), sur le côté sur lequel se trouve la couche de l’adhésif thermofusible (7), est muni d’une couverture de finition (12) qui peut être imprimée et qui s’étend jusqu’à une distance de quelques millimètres par rapport aux bords (8) du support (2) et dont les dimensions périphériques sont principalement égales aux dimensions de la périphérie de la couche de l’adhésif thermofusible (7).

13. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que la couche de l’adhésif thermofusible (7) possède une épaisseur supérieure à 20 micromètres.

14. Élément selon l’une quelconque des revendications précédentes, caractérisé en ce que la couche de l’adhésif thermofusible (7) possède une épaisseur inférieure à 50 micromètres.

15. Dossier de reliure, caractérisé en ce qu’il est formé par un élément (1) selon l’une quelconque des revendications 3 à 14, et en ce que, pour fabriquer le dossier de reliure (19) ou le panneau d’affichage, on fixe une couverture de finition imprimée ou non imprimée (12) ou une affiche, le côté non imprimé recouvrant la couche de l’adhésif thermofusible (7) sur un côté du support, et on l’y colle en chauffant l’adhésif thermofusible (7) pour que ce dernier entre en fusion et on le laisse ensuite à nouveau refroidir pour permettre à l’adhésif thermofusible (7) de se solidifier à nouveau.

16. Procédé de fabrication d’un dossier de reliure ou d’un panneau d’affichage, caractérisé en ce que le point de départ de ce procédé est un élément (1) selon l’une quelconque des revendications 1 à 13, et en ce que, pour fabriquer le dossier de reliure (19) ou le panneau d’affichage, on fixe une couverture de finition supplémentaire (13) qui est munie d’un adhésif thermofusible (14) avec lequel on fixe cette couverture de finition supplémentaire (13) au support, et on chauffe ensuite le tout et on le refroidit pour fixer les couvertures de finition (12 et 13) aux deux côtés du support.

17. Procédé selon la revendication 16, caractérisé en ce que la couverture finie (12) est collée au support (2) sous pression.

18. Procédé selon la revendication 16 ou 17, caractérisé en ce que, sur le côté du support (2) opposé au côté sur lequel se trouve la couche de l’adhésif thermofusible (7), on applique une couverture de finition supplémentaire (13) qui est munie d’un adhésif thermofusible (14) avec lequel on fixe cette couverture de finition supplémentaire (13) au support, et on chauffe ensuite le tout et on le refroidit pour fixer les couvertures de finition (12 et 13) aux deux côtés du support.

19. Procédé selon l’une quelconque des revendications 16 à 18, caractérisé en ce que, en présence d’une bande adhésive (11) d’un adhésif thermofusible, cette bande adhésive (11) est protégée contre la chaleur au cours du processus de chauffage.

20. Procédé selon la revendication 16, pour fabriquer un dossier de reliure comprenant un dos (17) en forme de U et deux papiers de garde (20), caractérisé en ce que la bande centrale (3) est déformée pour obtenir un dos (17) en forme de U.

21. Procédé selon l’une quelconque des revendications 17 à 20, caractérisé en ce que son point de départ représente un stock d’éléments principalement plats (1), un stock de couvertures de finition préimprimées ou analogues (12) ou d’affiches préimprimées ou
analogues pour la finition du côté du support (2) sur lequel se trouve une couche d’un adhésif thermofusible (7), de manière facultative un stock de couvertures de finition (13) déjà munies d’une couche d’un adhésif thermofusible (14) pour la finition de l’autre côté du support (2), par lequel, pour former le dossier de reliure (19) ou le panneau d’affichage selon ce que l’on choisit, on réalise une combinaison à partir des stocks susmentionnés afin de composer un dossier de reliure (19) ou un panneau d’affichage en fonction des souhaits de l’utilisateur final.
Fig. 4

Fig. 5
REFERENCES CITED IN THE DESCRIPTION

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