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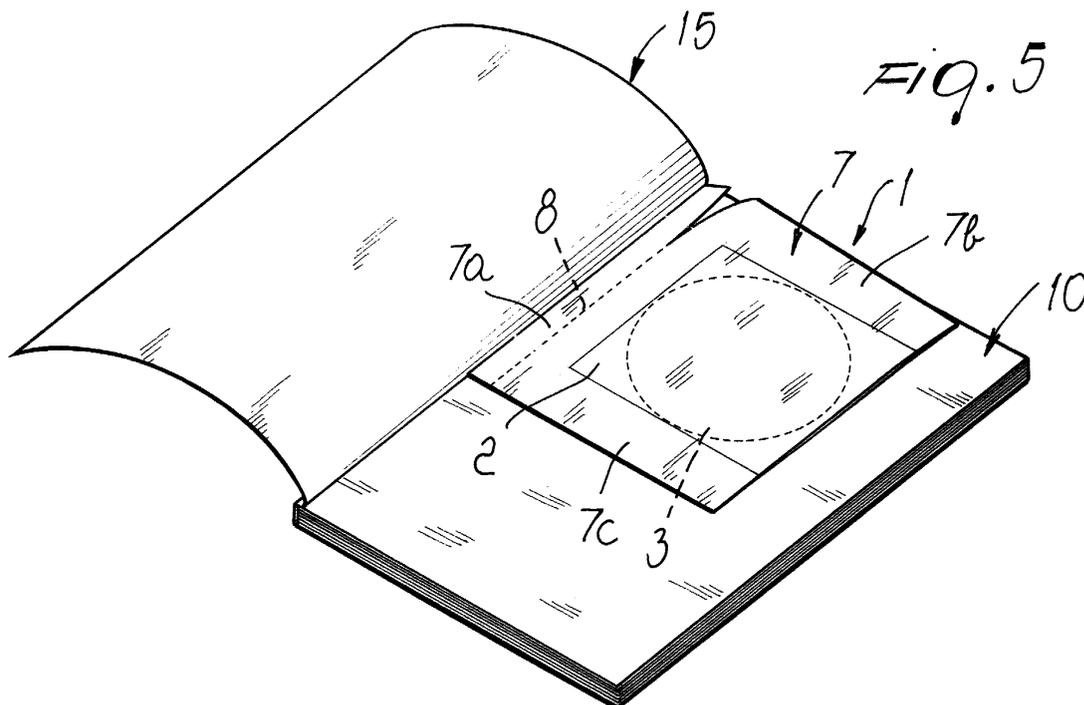
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(54) **Method for manufacturing a fascicle and the like with a diskette and the like inserted therein**

(57) A method for manufacturing a fascicle and the like with a diskette and the like inserted therein, comprising the steps of: providing an envelope (1) which forms a region (2) for containing a diskette (3) and the like which is bordered, on at least two mutually perpendicular sides, by a border band (7); inserting a diskette

(3) in the envelope (1); superimposing the envelope (1) with the diskette (3) on a stack of sheets (10) to be joined to form a fascicle; applying a cover (15) for containing the sheets (10); and trimming the edges of the sheets, applying pressure to the stack of sheets except for the region affected by the diskette (3).



Description

[0001] The present invention relates to a method for manufacturing a fascicle and the like with a diskette and the like inserted therein.

[0002] It is known that there is an increasingly widespread need to insert in fascicles, books, publications and the like, diskettes, floppy disks, CDs or other similar items which constitute a medium for multimedia uses being associated with the text.

[0003] The solutions currently in use entail providing, on the stack of sheets or signatures to be joined in order to form the fascicle, book or the like, an envelope which is provided open and is bound together with the other sheets.

[0004] Once binding has been performed, the intended cover has been applied and the sheets have been trimmed, the diskette and the like is inserted in the envelope entirely by hand.

[0005] Clearly, this method is very expensive due to the significant input of manual work that is required.

[0006] Another solution which allows to automatically apply the diskette or the like inside the fascicle entails inserting the diskette in appropriately provided pockets formed inside the cover; this solution is extremely expensive owing to the constructive complexity of the cover, which must directly provide the pockets required for the insertion of the diskette; this solution is also very rigid from a manufacturing point of view, since it does not allow to insert, or not insert, the diskette inside the fascicle.

[0007] Moreover, another drawback is that the solution with the diskette inserted in the cover does not allow to separate the diskette holder from the fascicle.

[0008] The aim of the present invention is to eliminate the drawbacks noted above, by providing a method for manufacturing a fascicle and the like in which a diskette and the like is inserted, the method allowing to insert the diskette in the envelope fully automatically without thereby modifying the conventional steps of the manufacture of the fascicle.

[0009] Within this aim, a particular object of the invention is to provide a method which allows to apply the diskettes in any kind of publication, with the additional advantage of removing, if required, the envelope with the diskette from the resulting fascicle.

[0010] Another object of the present invention is to provide a method which, thanks to its particular constructive characteristics, is capable of giving the greatest assurances of reliability and safety in use.

[0011] Another object of the present invention is to provide a method which can be easily obtained starting from commonly commercially available elements and materials and is further competitive from a merely economical point of view.

[0012] This aim and these and other objects which will become better apparent hereinafter are achieved by a method for manufacturing a fascicle and the like with a

diskette and the like inserted therein, according to the invention, characterized in that it comprises the steps of: providing an envelope which forms a region for containing a diskette and the like which is bordered, on at least two mutually perpendicular sides, by a border band; inserting a diskette in said envelope; superimposing the envelope with the diskette on a stack of sheets to be joined to form a fascicle; applying a cover for containing said sheets; and trimming the edges of said sheets, applying pressure to said stack of sheets except for the region affected by said diskette.

[0013] Further characteristics and advantages of the invention will become better apparent from the following detailed description of a preferred but not exclusive embodiment of a method for manufacturing a fascicle and the like with a diskette and the like inserted therein, illustrated only by way of non-limitative example in the accompanying drawings, wherein:

Figure 1 is a perspective schematic view of the envelope during the insertion of a diskette and the like, according to the present invention;

Figure 2 is a perspective view of the application of the envelope, with the diskette inside it, on top of a stack of sheets or signatures;

Figure 3 is a perspective schematic view of the step for the application of pressure to the stack of sheets after applying the cover;

Figure 4 is a schematic view of the trimming of the edges of the fascicle;

Figure 5 is a perspective schematic view of the resulting fascicle.

[0014] With reference to the figures, the method for manufacturing a fascicle and the like with a diskette and the like inserted therein entails providing first of all an envelope 1, which can be obtained in the most disparate manners; the envelope 1 must provide a region 2 inside which it is possible to insert a diskette or the like 3, which can be constituted by a CD, a floppy disk or other similar items.

[0015] The region 2 can be closed, for example, by means of a foldable flap 4 to which an adhesive portion 5 can be applied.

[0016] An important characteristic is that the region 2 is bordered, on at least two mutually perpendicular sides and preferably on three mutually consecutive sides constituted by the sides that are not affected by the flap 4, by a border region 7 which is wide enough to provide a free region both for applying pressure during the completion of the fascicle, as described in greater detail hereinafter, and for trimming the stack of sheets or signatures.

[0017] The resulting envelope, with the diskette already inserted therein, is superimposed on a stack of sheets or signatures 10, arranging it so that a spine border band 7a, i.e., the border band that lies opposite the region affected by the flap 4, is arranged at the spine or

back of the fascicle being formed, while the lateral portions 7b and 7c of the border band, which in practice are laterally adjacent to the region 2 where the diskette 3 is inserted, can be arranged either at the upper edge or at the lower edge of the stack of sheets.

[0018] Once the envelope 1, with the diskette inside it, has been superimposed on the stack of sheets or signatures 10, a cover 15 is applied, performing assembly in the conventional manners according to the various binding technologies being used.

[0019] In order to perform the complete assembly of the fascicle, pressure is applied to the stack of sheets at at least one of the border regions; during this step, absolutely no pressure is applied at the region affected by the diskette.

[0020] The presser 20, as shown schematically in Figure 3, can have for example an opening 21 at the region for containing the diskette 3.

[0021] The pressure is applied both to couple the cover and to achieve, by means of a conventional cutting blade 30, the trimming of the edges of the sheets on three contiguous sides, thus obtaining the intended fascicle.

[0022] It should be noted that the provision of the border bands at the back edge 7a and at the lateral portions 7b and 7c allows, as regards the back edge region, to apply the pressure to the back edge of the stack of sheets being bound and, as regards the lateral portions, to trim the stack of sheets without thereby damaging or otherwise affecting the region in which the diskette is located.

[0023] Moreover, it is optionally possible to provide, at the back edge 7a of the border band, a pre-scoring line, designated by the reference numeral 8, which allows, if required, to remove the envelope from the fascicle, providing an element for containing the diskette.

[0024] From the above description it is therefore evident that the invention achieves the intended aim and objects, and in particular the fact is stressed that a fascicle is provided in which the diskette can be inserted automatically, since it is already preset in the envelope that is assembled to the stack of sheets or signatures.

[0025] The invention thus conceived is susceptible of numerous modifications and variations, all of which are within the scope of the inventive concept.

[0026] All the details may further be replaced with other technically equivalent elements.

[0027] In practice, the materials employed, as well as the contingent shapes and dimensions, may be any according to requirements.

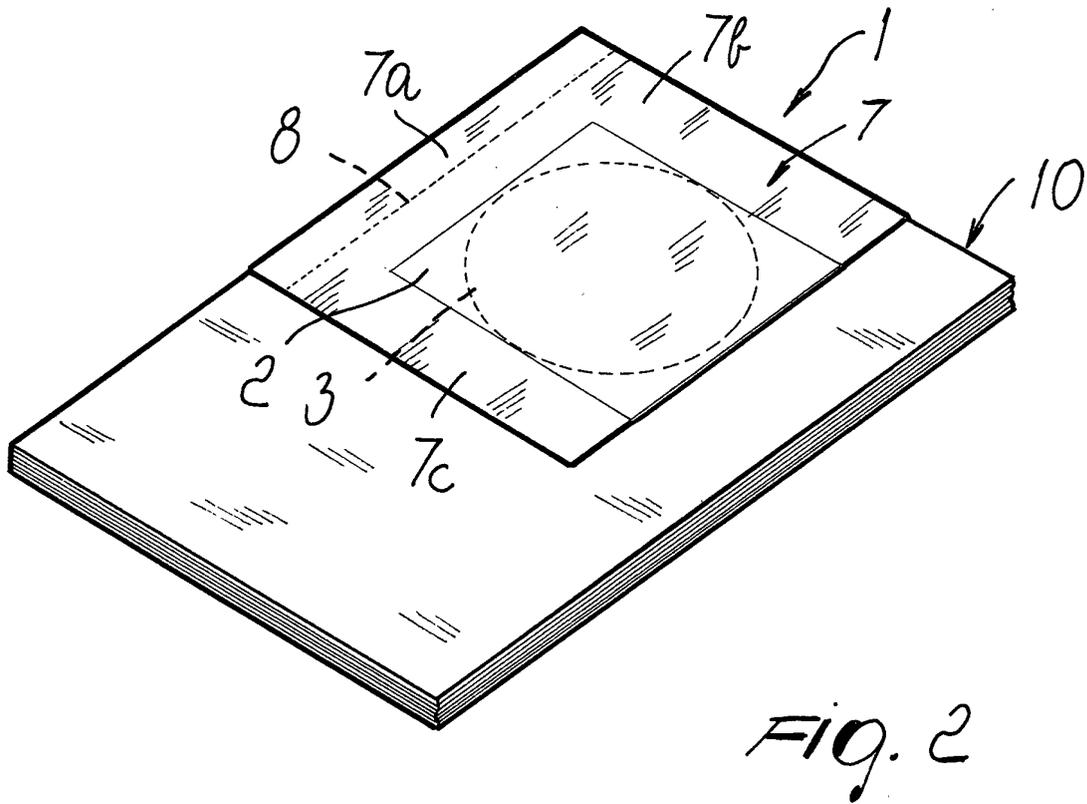
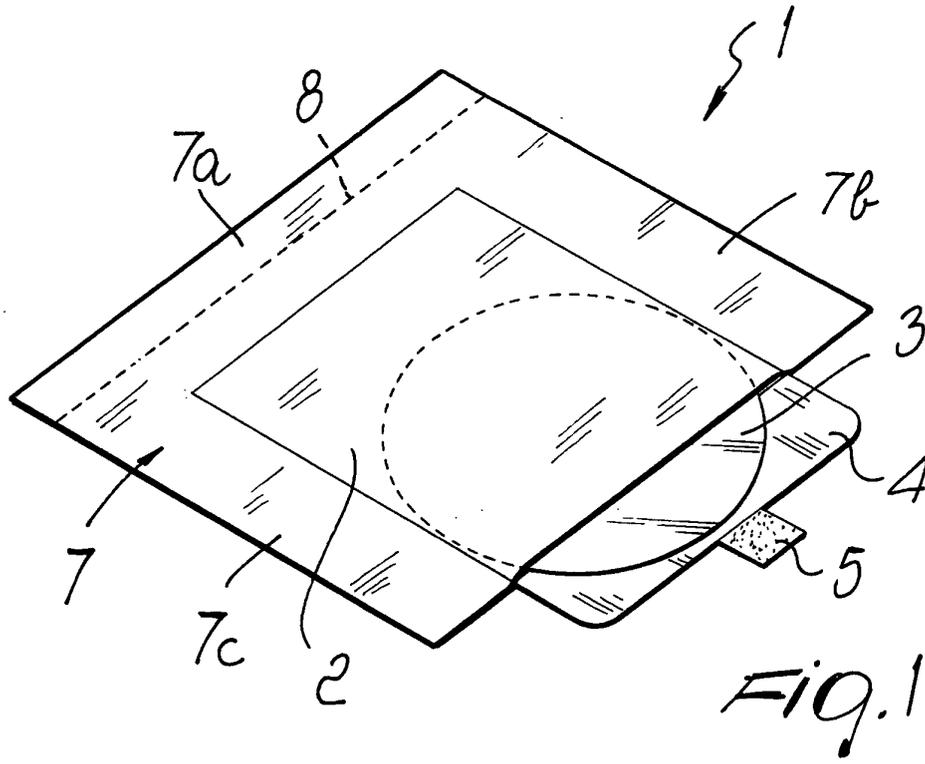
[0028] The disclosures in Italian Patent Application No. MI2000A000321 from which this application claims priority are incorporated herein by reference.

[0029] Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly, such reference signs do not have any limiting effect on

the interpretation of each element identified by way of example by such reference signs.

5 Claims

1. A method for manufacturing a fascicle and the like with a diskette and the like inserted therein, characterized in that it comprises the steps of: providing an envelope (1) which forms a region (2) for containing a diskette (3) and the like which is bordered, on at least two mutually perpendicular sides, by a border band (7); inserting a diskette (3) in said envelope (1); superimposing the envelope (1) with the diskette (3) on a stack of sheets (10) to be joined to form a fascicle; applying a cover (15) for containing said sheets; and trimming the edges of said sheets, applying pressure to said stack of sheets except for the region affected by said diskette (3).
2. The method according to claim 1, characterized in that said envelope (1) is closed after the insertion of said diskette (3) and the like.
3. The method according to the preceding claims, characterized in that said envelope (1) is closed by means of a foldable flap (4).
4. The method according to one or more of the preceding claims, characterized in that it comprises the step of applying an adhesive portion (5) to said foldable flap (4) in order to close said envelope.
5. The method according to one or more of the preceding claims, characterized in that said border band (7), around said region (2) for containing the diskette, affects three mutually contiguous sides.
6. The method according to one or more of the preceding claims, characterized in that a spine border band (7a), which can be arranged at the spine of the cover (15), is arranged on an opposite side with respect to the region affected by said flap (4).
7. The method according to one or more of the preceding claims, characterized in that it comprises the step of providing, on said spine border band (7a), a pre-scoring line (8) for separating the envelope (1) from the formed fascicle.
8. A fascicle and the like with a diskette inserted therein, comprising a stack of sheets (10) joined by a cover (15), characterized in that it comprises an envelope (2) which contains a diskette (3) and the like, said envelope (1) having a region (2) for containing said diskette (3) and the like which is surrounded by a border band (7) which affects at least two mutually perpendicular sides.



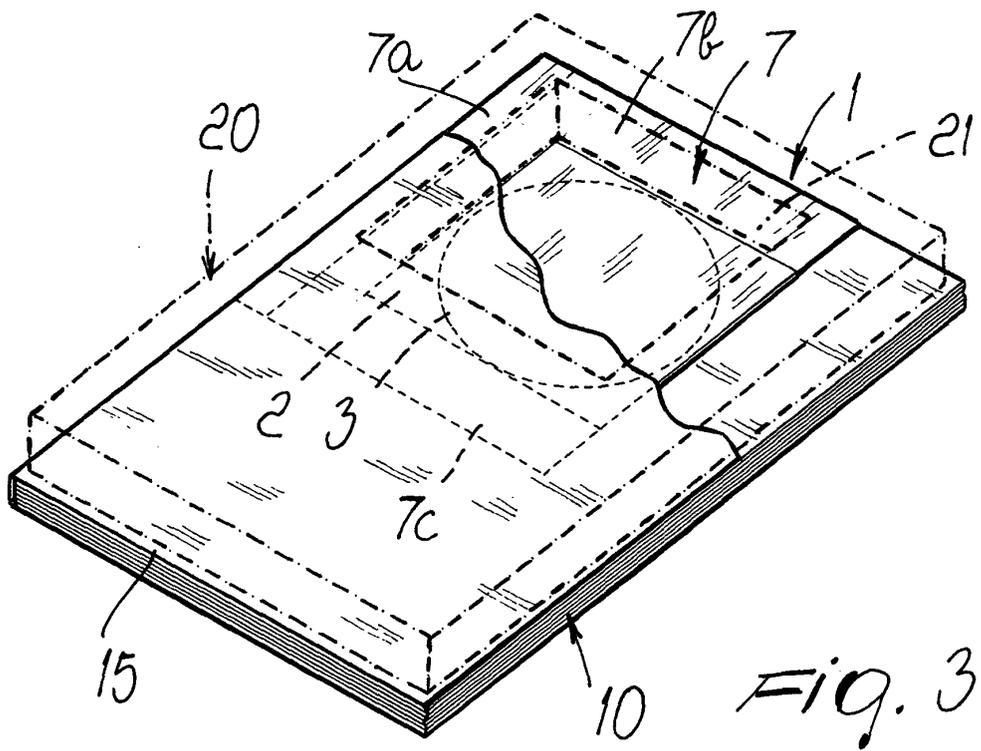


FIG. 3

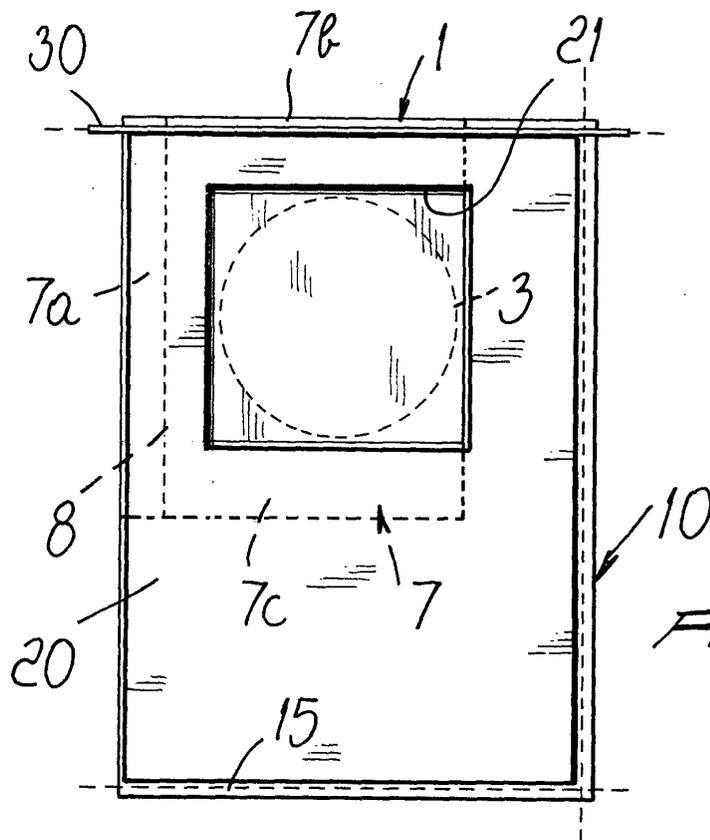
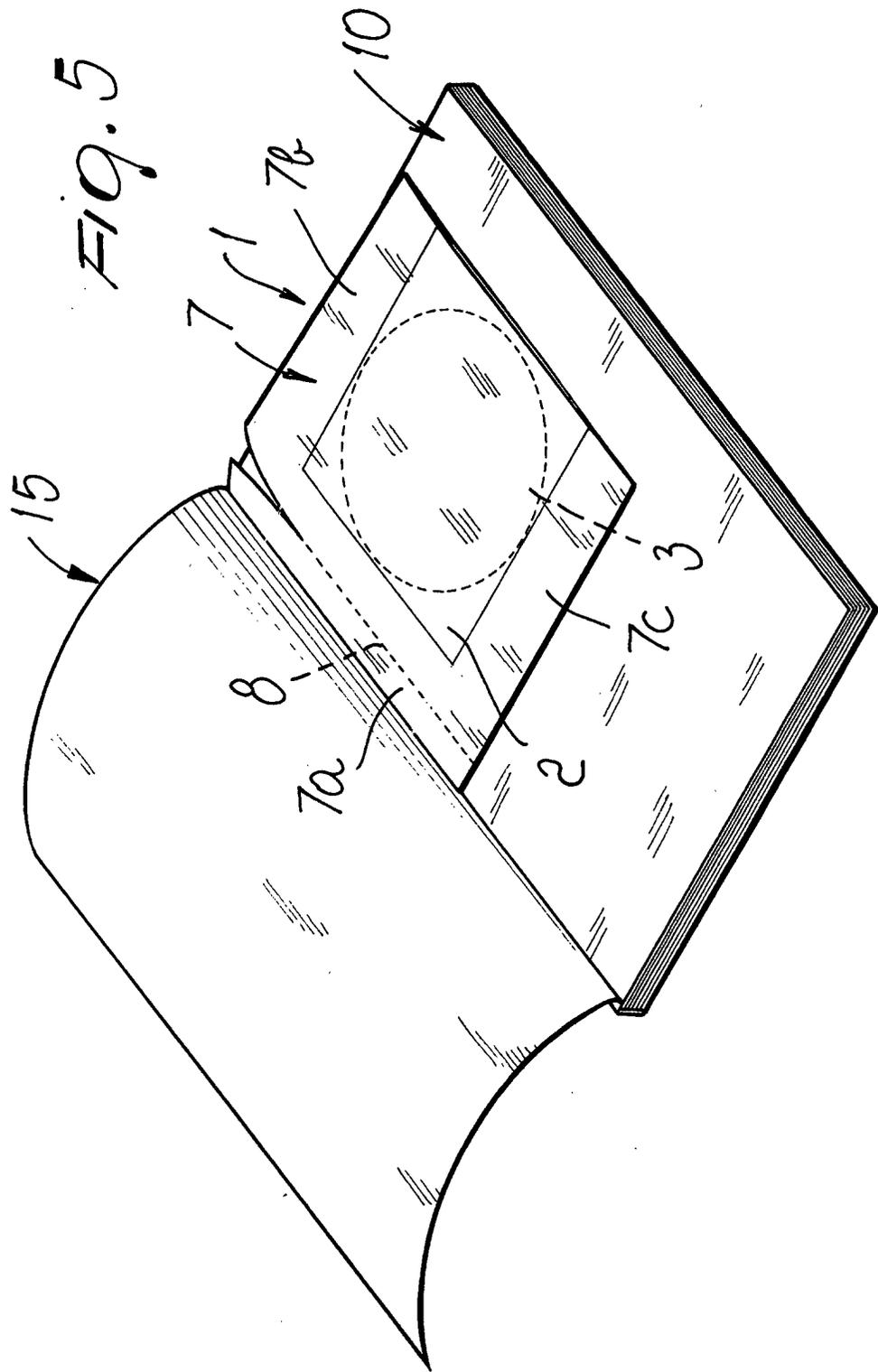


FIG. 4





European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 10 1129

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 857 565 A (BAKER, HOUSE) 12 January 1999 (1999-01-12) * the whole document *	1-8	B42D3/12
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 7, 31 July 1997 (1997-07-31) & JP 07 251777 A (NISHIZUKA), 5 September 1995 (1995-09-05) * abstract *	1-8	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B42D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 21 March 2001	Examiner Evans, A
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 10 1129

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-03-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5857565 A	12-01-1999	NONE	
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EPC FORM P0489

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82