



(12) **EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(43) Date of publication:
25.05.2011 Bulletin 2011/21

(51) Int Cl.:
B65D 30/04 (2006.01) D03D 1/04 (2006.01)

(21) Application number: **09769372.5**

(86) International application number:
PCT/ES2009/000327

(22) Date of filing: **12.06.2009**

(87) International publication number:
WO 2009/156526 (30.12.2009 Gazette 2009/53)

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR
Designated Extension States:
AL BA RS

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(30) Priority: **27.06.2008 ES 200801372 U**

(54) **BAG**

(57) This invention relates to a bag **characterised in that** it includes no stitching, said bag being formed by assembling two separate pieces of fabric, joined laterally

by selvages and transversely by weft yarns. One of the transverse edges is die-cut to form the mouth of the bag, while the upper zone of the assembly is die-cut to produce the handles.

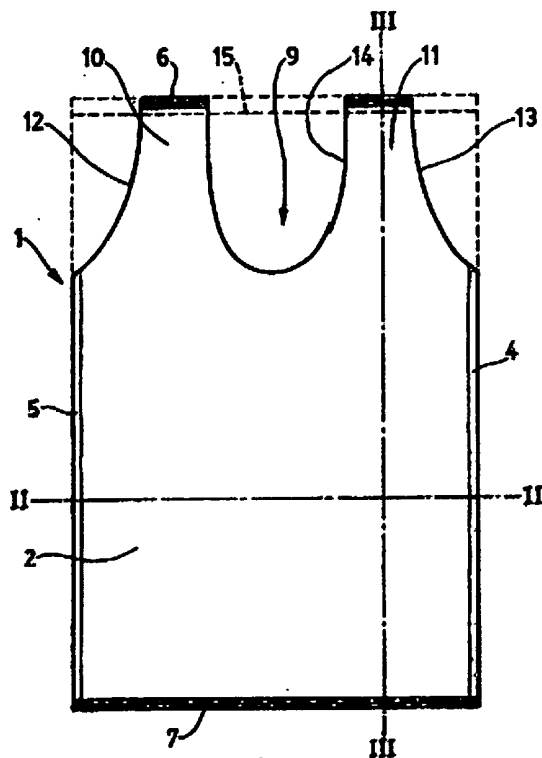


Fig. 1

Description**DETAILED DESCRIPTION****OBJECT OF THE INVENTION**

Bag

BACKGROUND OF THE INVENTION

[0001] There are different types of bags, manufactured in different materials, the most commonly used being plastics, cloth and paper.

[0002] Plastic bags are very economic and are widely used, generally for a single use, such as for instance when purchasing in stores, mainly in supermarkets and similar shops. This material is not biodegradable and creates a serious waste problem.

[0003] Paper bags are also economic, but they are not very strong, thus their use is limited.

[0004] Regarding cloth bags, they are the most ecological and are quite strong, though their handicap is their high cost, especially due to the stitching operations they require in the manufacturing process.

SUMMARY OF THE INVENTION

[0005] The purpose of this invention is a cloth bag that presents the benefits of this material and is obtained at a low cost, to compete with plastic bags, being considered practically a single-use bag, even though due to its construction, it can be used several times.

[0006] This bag is characterised by having no stitching, as it is practically obtained directly from the loom, constituted by two separate pieces of cloth joined at the side by the same selvedge and with regard to the two transversal edges, they are joined together with threads of weft in the loom itself, obtaining a rectangular piece in which the mouth upper and handles are created by the corresponding die cuts.

[0007] These and other characterizing features will be best made apparent by the following detailed description whose understanding will be made easier by the accompanying sheet of drawings showing a practical embodiment being cited only by way of example not limiting the scope of the present invention.

DESCRIPTION OF THE DRAWINGS

[0008] In the drawings:

Figure 1 illustrates an elevation view of the bag object of the invention;

Figure 2 is a cross-sectional view taken along the line II-II of Figure 1, and

Figure 3 is a longitudinal section taken along the line III-III of Figure 1.

[0009] According to drawings, the bag (1) is made of two separate pieces of cloth (2 and 3) Initially rectangular, which are joined at their sides by their selvages (4 and 5) formed in the same loom where the two pieces of cloth are manufactured.

[0010] The edges (6 and 7) of the two pieces of cloth (2 and 3) form a single piece of cloth by joining them with threads from the weft (8).

[0011] The bag's mouth (9) and handles (10, 11) are obtained by die cutting (12, 13 and 14) made in the upper area of the unit.

[0012] If you want a bag without handles, i.e., like a sack that could also be used for example, as a pillowcase, the unit will have a transversal die cut as indicated in reference (15), close to one of its transversal edges.

[0013] The invention can within its essentiality be put into practice in other embodiments differing only in detail from the one having been described above only by way of example, said other embodiments also falling within the scope of the protection being claimed. This bag may thus be manufactured in any shape and size, as all of this is contained within the spirit of the claims.

Claims

1. A bag that is **characterised by** having no stitches, composed of two separate pieces of cloth joined at the sides with their selvages and transversally by the junction of the two pieces of cloth by means of strands from the weft, one of the transversal edges being die-cut to form the mouth of the bag.
2. A bag, according to claim 1 **characterised in that** the handles are obtained by a die cutting made in the upper area of said unit.

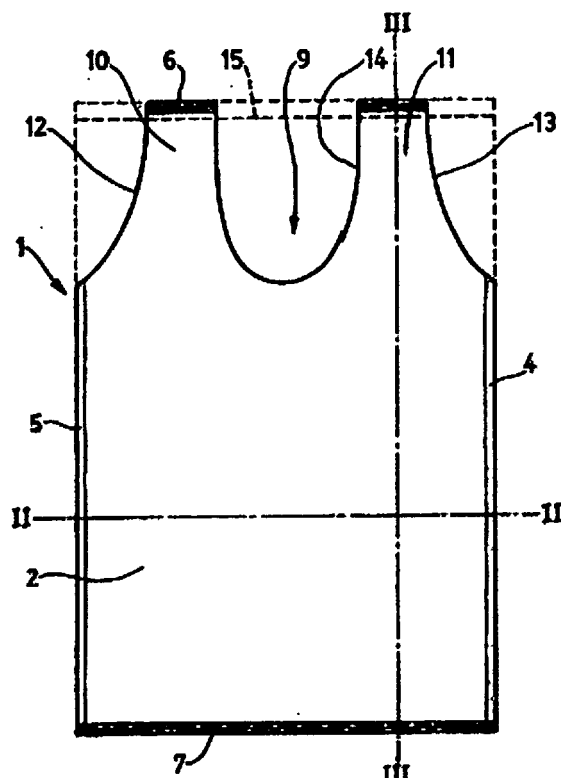


Fig. 1

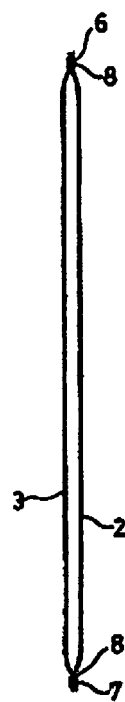


Fig. 3

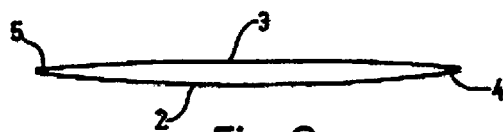


Fig. 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/ ES 2009/000327

A. CLASSIFICATION OF SUBJECT MATTER

see extra sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B65D, D03D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

INVENES, EPODOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 802430 A (GRAWITZ) 04.09.1936, page 1, lines 31-59; figures 1,2.	1,2
A	FR 2271317 A1 (ALOSTERY FRERES ETS) 12.12.1975, page 2, lines 9-28; figures 1,2.	1,2
A	ES 2043333 T3 (SACHERIE BORDENOUD SARL) 16.12.1993, column 3, line 67 - column 6, line 11; figures.	1,2
A	ES 2094540 T3 (SIVERI ANDRAS) 16.01.1997, the whole document.	1,2

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance.	
"E" earlier document but published on or after the international filing date	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"O" document referring to an oral disclosure use, exhibition, or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other documents, such combination being obvious to a person skilled in the art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

Date of the actual completion of the international search

19.October.2009 (19.10.2009)

Date of mailing of the international search report

(29/10/2009)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/ ES 2009/000327

Patent document cited in the search report	Publication date	Patent family member(s)	Publication date
FR 802430 A	04.09.1936	NONE	-----
FR 2271317 A B	12.12.1975	NONE	-----
ES 2043333 T	16.12.1993	EP 0408467 AB EP 19900420299 FR 2649728 AB DE 69002710 T	16.01.1991 26.06.1990 18.01.1991 25.11.1993 25.11.1993 25.11.1993
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Form PCT/ISA/210 (patent family annex) (July 2008)

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B65D 30/04 (2006.01)

D03D 1/04 (2006.01)