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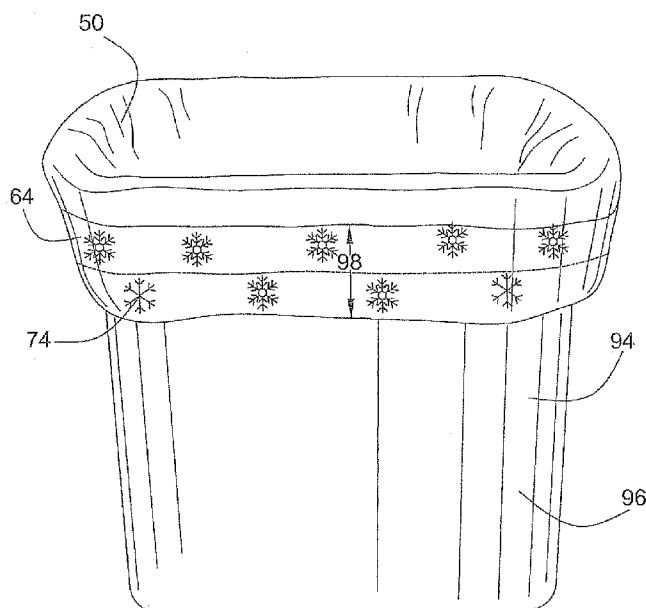
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[Continued on next page]

(54) Title: BAG WITH IMPROVED FEATURES



(57) Abstract: The bag for receiving refuse may include a bag body, the bag body including an inside surface, an outside surface, and a rim defining a mouth. The bag may also include a first strip of material disposed on the inside surface of the bag body proximate the rim. The strip may include an inside surface, an outside surface that faces the inside surface of the body, a top edge, and a bottom edge. The bag may also include a front wall, a back wall, and a hem, the hem including a drawstring. The strip may include a printed design. The design could be letters, numbers, pictures, writing, or any other design. When the bag is inserted into a trash receptacle such that the rim of the bag is folded over the rim of the receptacle, the printed design is visible from outside the receptacle.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/72471

## A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B65D 25/14**( 2006.01)

B65D 33/00( 2006.01),33/16( 2006.01),33/28( 2006.01),30/00( 2006.01)

USPC: 220/495.11;383/33,35,63,65,75,127

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)

U.S. : 220/495.11; 383/33, 35, 63, 65, 75, 127

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)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,105,144 A (LIN) 08 August 1978 (08.08.1978), entire document.	1, 17
X	US 5,152,613 A (HERRINGTON, Jr.) 06 October 1992 (06.10.1992), entire document.	1, 5, 8, 9
X	US 5,184,897 A (GOZDENOVICH et al.) 09 February 1992 (09.02.1993), entire document.	1-3, 5, 6
X	US 5,631,068 A (SMITH) 20 May 1997 (20.05.1997), entire document.	1, 2, 10-16
X	US 6,808,666 A (FUKUMORI et al. ) 26 October 2004 (26.10.2004), entire document.	1-4
X	WO 92/04257 A (DAGGAR) 19 March 1992 (19.03.1992), entire document.	1, 5, 7

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent 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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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 such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

17 July 2008 (17.07.2008)

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/72471

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:  
Please See Continuation Sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-17

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/72471

### BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In order for more than one species to be examined, the appropriate additional examination fees must be paid. The species are as follows:

- I. A bag including a strip of material disposed on the inside surface.
- II. A bag including a strip of material disposed on the inside surface and a hem with a drawstring.

The claims are deemed to correspond to the species listed above in the following manner:

- I. Claims 1-17
- II. Claims 1 and 18-35

The following claim(s) are generic: Claim 1 is currently considered to be generic.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: The feature of a bag including a strip of material on the inside surface is known in the prior art. Therefore, Group I and Group II lack a corresponding special technical feature since a bag including a strip of material on the inside surface was not applicant's contribution over the prior art.