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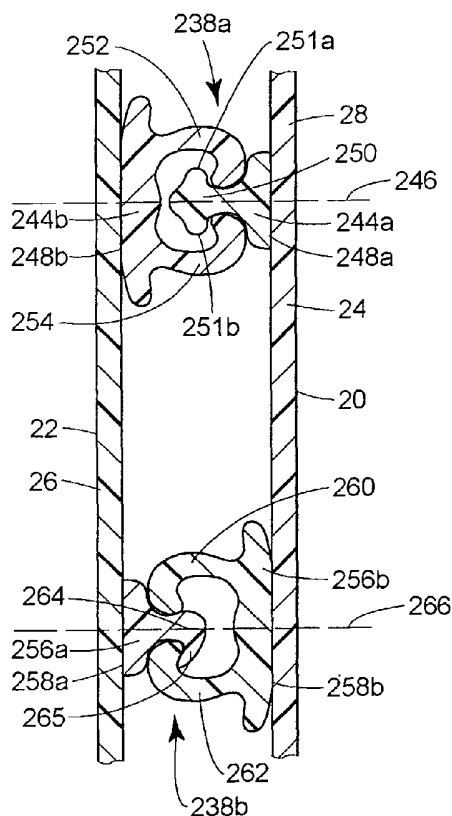
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[Continued on next page]

(54) Title: CLOSURE DEVICE FOR A RECLOSABLE POUCH



(57) Abstract: A reclosable pouch comprises a body portion having first and second bag walls. A first and a second closure mechanism (238a, 238b) are disposed on internal sides of both the first and second bag walls. The first closure mechanism (238a) includes a first female closure element (244b) and a first male closure element (244a). The second closure mechanism (238b) includes a second female closure element (256b) and a second male closure element (256a). The first male closure element (244a) includes two hook portions (251a, 251b) extending from an end thereof to engage the legs (252, 254) of the female closure element (244b) and the second male closure element (256a) includes only one hook portion (265) extending from an end thereof to engage one of the legs (262, 260) of the second female closure element (256b). The first male closure element (244a) disengages from the first female closure element (244b) with a first external opening force and the second male closure element (256a) disengages from the second female closure element (256b) with a second external opening force that is less than the first external opening force.



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

Int. Application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65D33/25

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)

IPC 7 B65D

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 032 437 A (BOIS HENRI GEORGES) 7 March 2000 (2000-03-07)	1,12,13, 15-19, 28-37
Y	column 5, line 39 - line 43	14,20, 43,44, 61-64
A	column 5, line 54 - line 63; figures 1,2	6
X	----- US 6 004 032 A (KAPPERMAN ELIZABETH J ET AL) 21 December 1999 (1999-12-21)	1,2,5-10
Y	column 14, line 16 - line 24; figures 19,21	3,11, 42-46
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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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

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Date of the actual completion of the international search

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Date of mailing of the international search report

24. 08. 2005

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/47993 A (SHOWA HIGHPOLYMER ; KASAI JUICHI (JP)) 20 June 2002 (2002-06-20)	1,2,4-6, 47,49, 51,52, 54-59
Y	page 8, line 10 - line 12; figures 1,9	61-64
X	US 6 138 329 A (JOHNSON JAMES R) 31 October 2000 (2000-10-31) cited in the application	38,42, 45,46
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A	column 7, line 60 - line 64	11,42
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A	column 1, line 47 - line 55	13,38,50
Y	EP 1 161 891 A (SHOWA HIGHPOLYMER) 12 December 2001 (2001-12-12) paragraph '0004!; figure 3	14,39-41
A	US 5 577 305 A (JOHNSON JAMES R) 26 November 1996 (1996-11-26) figure 4	60,65
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INTERNATIONAL SEARCH REPORT

national application No.
PCT/US2004/015240

Box 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 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:

see additional 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 an additional fee, this Authority did not invite payment of any additional fee.
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.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18,28-65

Pouch with two different closure mechanisms, about 2.54 to 7.62 mm apart

1.1. claims: 47-65

Double zipper closure having one male element with one hook portion and one male element having two hook portions

2. claims: 19-27

Double closure mechanisms with closure indicating means

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/015240

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