

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
24 December 2003 (24.12.2003)

(10) International Publication Number  
WO 03/106295 A1

PCT

(51) International Patent Classification<sup>7</sup>: B65D 85/10

(21) International Application Number: PCT/IT03/00362

(22) International Filing Date: 11 June 2003 (11.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
RM2002U000116 12 June 2002 (12.06.2002) IT

(71) Applicant and

(72) Inventor: GAY, Maurizio [—/—]; 5/ Via Paleocapa,  
I-17100 Savona (IT).

(74) Agent: COSTA, Teodoro; 322, Viale Magna Grecia,  
I-74100 Taranto (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KR, LK, LR, LT, LU, MA, MD, MK, MX, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TN, TR, UA, US, YU, ZA.

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

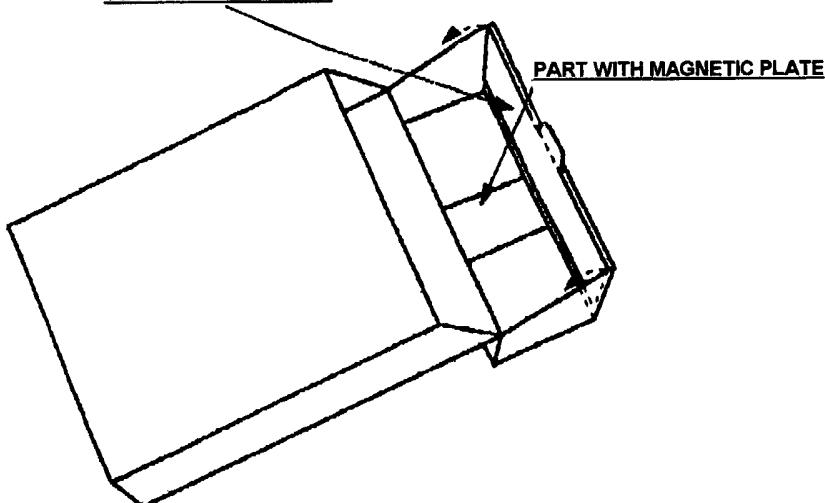
Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PACKET WITH OBJECT CASE

PART ADDED THAT ALLOWS THE  
CLOSING OF THE CASE



WO 03/106295 A1

(57) Abstract: Packet of cardboard, of the hinged cover type, comprising a box part, a cover, in which there is a case, apt to be utilized as storage for paper, plastic or small objects, of same small size of the case, organized in the cover, that can be closed by a flap that is hinged to the same internal part of the cover. Inside the case, a thin magnetic plate is also positioned, or the same upper side can be covered by an adhesive film to allow a good holding of the objects stored, when the cover is closed, in the inner side, through a flap that allows the lifting.

## PACKET WITH OBJECT CASE

The present invention regards a packet, made preferably with cardboard, in general as a cigarette packet, but not exclusively for this utilization, of the type with hinged cover, having the front part, the back part and the two side parts of the box with the said hinged cover set on the back side.

According to the conventional construction of the hinged cover packet type, the form of the cardboard utilized for the construction of the packet seems conventional, apart from the addition of a small lengthwise extension of the cardboard that is realized through a transversal line of folding.

In respect to the conventional packet with hinged cover, a further modification concerns the proportion of some dimensions of the cover (longer than normal) and the change of the angle of the diagonal cuttings.

The object of the present invention is to improve the box in which the cigarettes are contained, or other, in terms of design and utility.

In particular, the object of the present invention consists in the creation of a small case, suitable to collect various objects of small dimension or pliable, such as the same paper, normally set inside the covering, or such as that part of the external plastic paper that covers the same packet, or every other object of small size, also a stiff one, as, for example, the electronic chip of a mobile telephone or any other object of similar size.

To gain this result, the present invention is characterized by the fact that these two last pieces of the cardboard part, added to the conventional design of the packet with hinged cover, both can rotate of 180° and come over the bottom of the same cover, creating the case upper described.

Their rotation is allowed by the folding that they form with the conventional cardboard parts, as normally cut, and also is allowed by the folding set between the same pieces.

The cut of both parts is lengthwise and transversal. The first piece, the one that stands closer to the last part of the cardboard piece with the traditional cut, is smaller and of the same size of those of the last piece of the traditional cut conformation.

It can rotate of 180° with respect of the piece of cardboard to which it is connected.

The other piece, of bigger dimensions, that is positioned more far lengthwise with respect of the first piece, has the same size of the last but one piece, cut, according to the traditional method of the packet type with hinged cover.

Also this last piece can rotate of 180° with respect to its adjacent.

Both the pieces, then, can close onto themselves and on the two closer pieces made of cardboard, cut according to the traditional method of the hinged cover type packet.

It is also proposed, as object of the present invention, the possibility to make the inside part adhesive at different levels or magnetized, inserting or connecting a thin magnetized metal plate inside the part of the cardboard that is positioned in the upper side of the packet and remains fixed. Such possibility allows a more sure holding of the object, or of the objects, that are positioned in the object's case of the packet.

The thin magnetic plate allows to hold, through the magnetic energy, the metallic objects positioned inside the case.

The additional opening, created inside the box's cover, allows to store small objects or collect small parts of waste, such as the paper of the outer side of the packet, plastic of the same packet, or as SIM cards, microchips and other objects that, otherwise, should be scattered in the environment.

In this way, one can give a useful function to the conventional packet, also under the environmental profile. This allows the same person that utilizes the packet to satisfy

the immediate and subjective need of environmental aspect that can lower the sense of guiltiness, typical of the smoker, and to put, in a protected place, small objects that could otherwise be lost if not stored, because of their small dimensions.

The opening created with the present invention constitutes also an element of joy for the smoker, or for who utilizes the packet, to which is allowed to utilize the packet in a more interactive way, by modifying both the utilization and the consideration that has who utilizes the packet. The opening of the case is allowed by a small flap that stands outside the zone, limited by the same case, created under the hinged cover. The small flap, being part of the same structure of the inside cover of the case and being linked and hinged to the same, allows its opening by lifting, and remains mobile with the possibility to rotate of about 180°.

The possibility to utilize the cigarette packet, as modified by the present invention, allows the smoker to lower, also if only in part, the sense of guilty, with respect of the environmental problems, lowering the psychological disease with respect to the other persons.

The present invention allows also to improve the joy aspect of the utilization of the object, allowing to the same packet, to became a well known anti-stress.

The present invention allows also to utilize, in a more practical and useful way, an object like the cigarette packet, or the chewing gum packet, or similar, that comes to our hands daily and to give it a new function that can be considered important for the conservation of small objects, or, in any way, of objects compatible with the dimension of the packet, and also for the possibility to put residuals or refusals of small dimensions, or pliable things, or objects, in any way, compatible with the dimensions of the utilized packet.

## CLAIMS

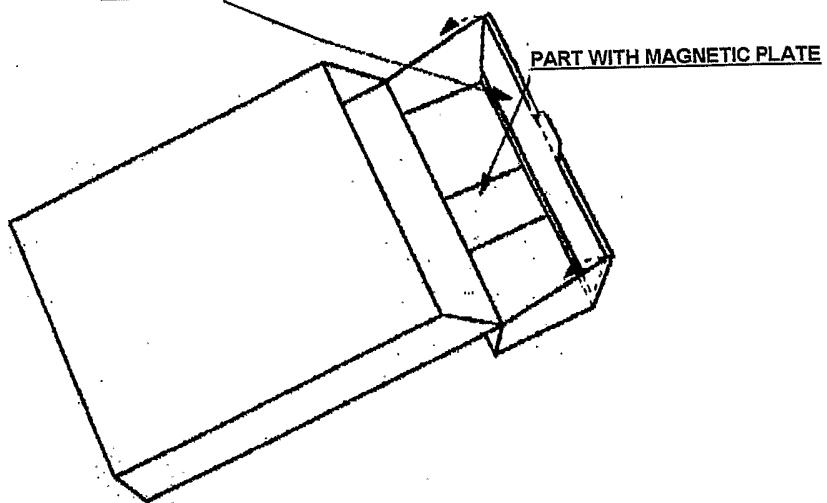
1. A packet made of cardboard, in particular of the type with the hinged cover, and a cover comprising a frontal part, a back part and two lateral parts of the box, with the said cover hinged on the back side, with inside, in the upper zone, realized a case.
2. The packet as claimed in claim 1, characterized by the fact that the said case, realized through two flaps folded on each other, forms a space.
3. The packet as claimed in claims 1 and 2, characterized by the fact that the said case realized as in claim 2, can be open through a flap folded on itself.
4. The packet, as claimed in claims 1,2 and 3, characterized by the fact that in the upper part of the case there is inserted a thin magnetic metallic plate.
5. The packet as claimed in claims 1,2 and 3, characterized by the fact that in the upper part of the case there is an adhesive film.

## PACKET WITH OBJECT CASE

1

PART ADDED THAT ALLOWS THE  
CLOSING OF THE CASE

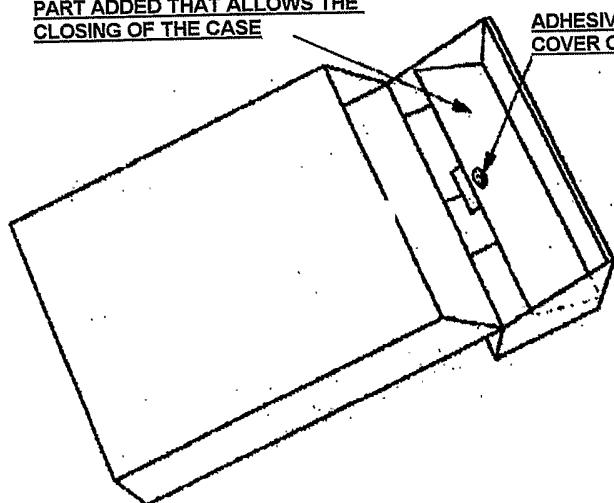
PART WITH MAGNETIC PLATE



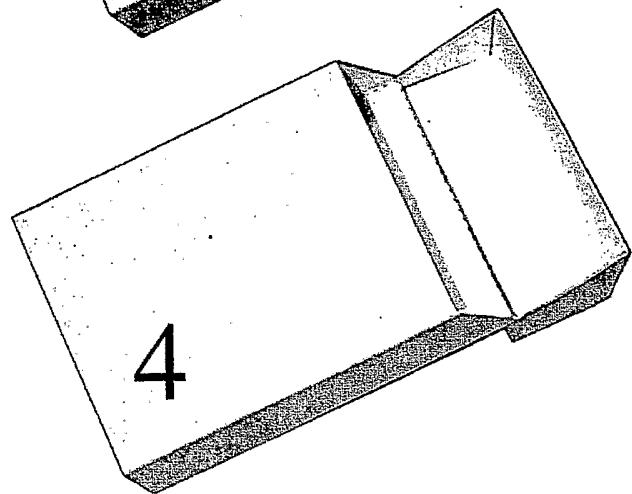
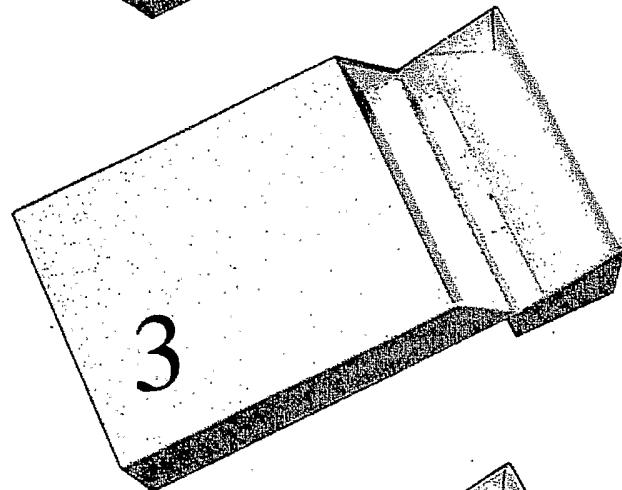
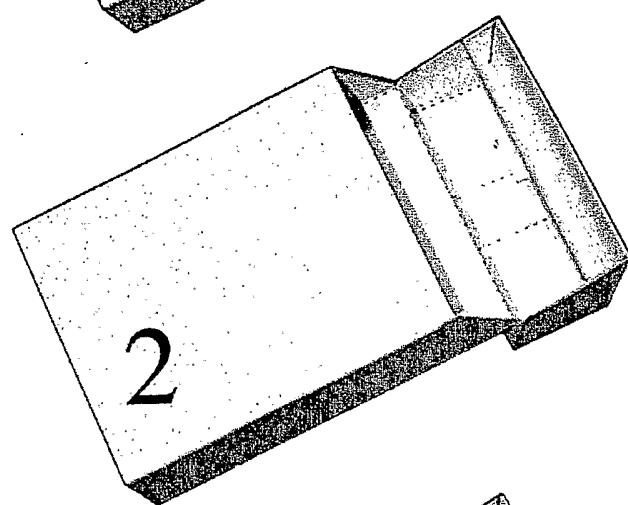
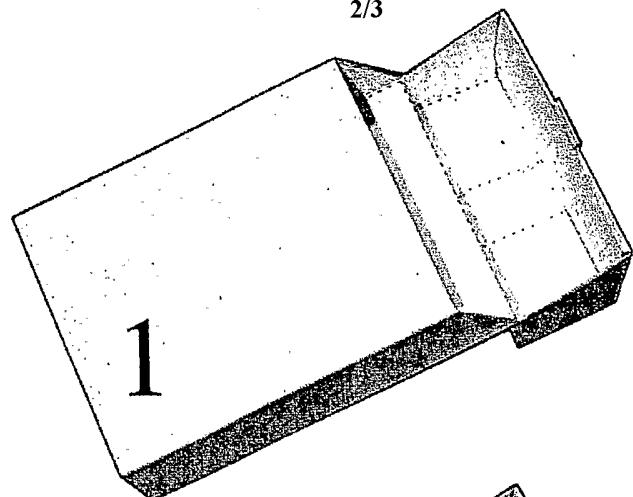
2

PART ADDED THAT ALLOWS THE  
CLOSING OF THE CASE

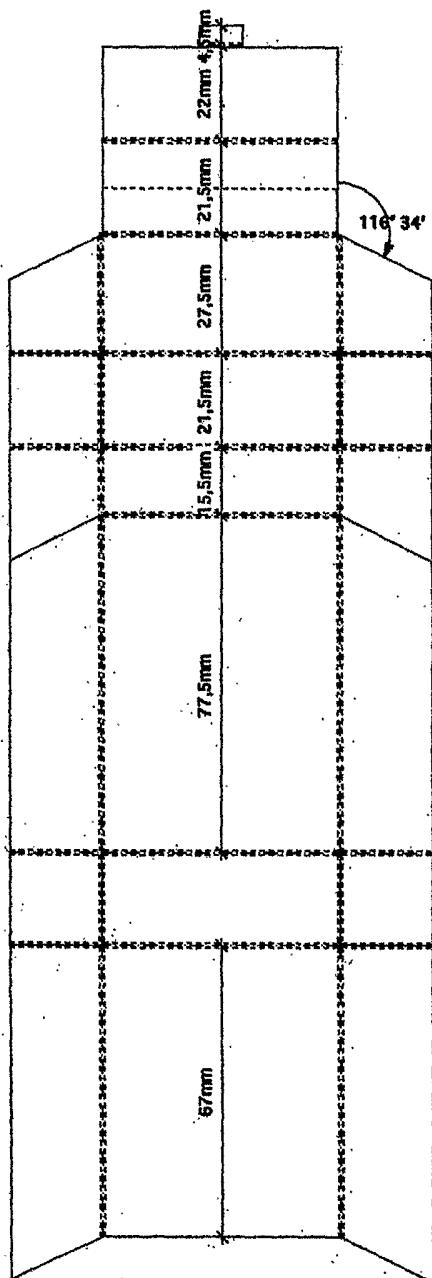
ADHESIVE POINT TO KEEP THE INSIDE  
COVER OPEN



2/3



## PACKET WITH OBJECT CASE



CUT  
FOLDINGS  
PART ADDED TO A NORMAL  
PACKET

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/IT 03/00362

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B65D85/10

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 034 538 A (SCHMERMUND ALFRED) 12 July 1977 (1977-07-12) column 4, line 46 -column 7, line 22; figures 1-27	1-3
Y	US 6 216 860 B1 (BORIANI SILVANO ET AL) 17 April 2001 (2001-04-17) column 2, line 35 -column 3, line 5; figures	4,5
Y	WO 01 47380 A (FRASCA FRANK JOSEPH ;BRADY DAVID NEILAN (AU); ZAUNDERS LEE BRONWYN) 5 July 2001 (2001-07-05) page 7, line 1 - line 7; figure 2	4
	----- -----	5
	----- -----	

Further documents are listed in the continuation of box C.

Patent family members are listed in 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 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)
- \*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

Date of mailing of the international search report

25 September 2003

02/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Olsson, B

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT 03/00362

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 776 877 A (MOLINS MACHINE CO LTD; JOHN WALKER CHALMERS) 12 June 1957 (1957-06-12) page 1, right-hand column, line 70 -page 3, left-hand column, line 5; figures -----	1-3
A	GB 2 318 345 A (MARTIN RICHARD REDVERS) 22 April 1998 (1998-04-22) page 2, line 7 -page 5, line 3; figures -----	1-5
A	DE 299 18 461 U (GRUNWALD) 23 March 2000 (2000-03-23) page 5, line 1 -page 6, line 4; figures -----	1-5

## INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 03/00362

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4034538	A	12-07-1977	GB	1467429 A	16-03-1977
			BE	819083 A1	16-12-1974
			CA	1009884 A1	10-05-1977
			DE	2442055 A1	13-03-1975
			FR	2242236 A1	28-03-1975
			JP	1056350 C	23-07-1981
			JP	50050171 A	06-05-1975
			JP	55046864 B	26-11-1980
			US	3956865 A	18-05-1976
			US	4034655 A	12-07-1977
US 6216860	B1	17-04-2001	IT	B0980384 A1	23-12-1999
			EP	0967161 A1	29-12-1999
			US	6209290 B1	03-04-2001
WO 0147380	A	05-07-2001	WO	0147380 A1	05-07-2001
			AU	2330801 A	09-07-2001
GB 776877	A	12-06-1957	DE	1036157 B	07-08-1958
GB 2318345	A	22-04-1998	NONE		
DE 29918461	U	23-03-2000	DE	29918461 U1	23-03-2000