





ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, **Published:**

MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI

(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,

NE, SN, TD, TG).

— *with international search report (Art. 21(3))*

Improved condom with anti slippage feature**FIELD OF THE INVENTION**

[001] The present invention relates generally to prophylactic devices
5 but more particularly to a condom with means of attachment.

BACKGROUND OF THE INVENTION

[002] Condoms have been in use for centuries and for that long, there has
been the problem of the condom slipping out and sometimes staying in
the vagina.

10[003] The prior art shows numerous patents as well as design patents that
show condoms with strings or straps and related attachment means.

[004] For example, US patent 5531230 shows a condom that includes straps
that extend from the proximal end of the condom and can be positioned
about a waist of a male wearer to secure the condom from unintentional
15 removal.

[005] US patent 5666971 shows a device for improving erection, having a
ring-shaped base having two walls spaced from one another to define a
cavity therebetween, a cylindrical elastic closed cover connected to the
base and having a portion which is arcuate-shaped and adapted to

cover the head of the penis. A longitudinal portion which is adapted to cover the shaft of the penis.

[006] US patent 6308709 also shows an erection-facilitating condom for treatment of erection dysfunction. The erection-facilitating condom includes a flexible tubular membrane having a closed end and an open end; and also includes a ring member being attached to the flexible tubular membrane; and further includes a flexible line being connected to the ring member for closing the flexible tubular member tightly about a sex organ of a user.

10[007] The drawback of the prior art is that it is mostly concerned with maintaining an erection and as such, would not be efficient at preventing slippage. In the case of patent 5666971, the straps need to be very long in order to wrap around the waist.

[008] There is thus a needed for an economically produced and efficient anti slippage condom.

SUMMARY OF THE INVENTION

[009] In view of the foregoing disadvantages inherent in the known devices now present in the prior art, the present invention, which will be described subsequently in greater detail, is to provide objects and

advantages which are to provide for a means for keeping the condom on the penis even after removal from the vagina.

[0010] It is another advantage of this invention to squeeze the area behind the
5 testicles to provide a better, more sustained erection

[0011] To attain these ends, the present invention generally comprises a body and a scrotum retainer part. The scrotum retainer part extends integrally from the body and a slit delineates the body from the scrotum retainer part.

10[0012] Preferably, the slit has non-tearing means.

[0013] In a preferred embodiment, a base ring is located at the base of the scrotum retaining part and the base ring provides comparatively reduced elasticity in relation to the scrotum scrotum retainer part and the body so as to retain the scrotum retaining part behind the scrotum.

15[0014] The slit comprising more than half of the circumference of the condom.

[0015] The slit non tearing means consists of having the ends of the slit terminated by holes.

[0016] Alternatively, the slit non tearing means can consist in having the ends of the slit terminated by increased thickness.

[0017] In yet another variant, the slit non tearing means can have the ends of the slit its terminated by increased thickness and holes.

5[0018] The anti slippage condom has a method for putting it on which consists in in the steps of a user unrolling the condom over its penis by making note of the location of the slit; positioning the slit so as the locate the slit under the penis; and pulling the base ring so that it pulls the scrotum retained part behind the scrotum.

10[0019] There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood, and in order that the present contribution to the art may be better appreciated. The term condom, improved condom, anti-slipping, and anti slippage condom are used
15 throughout to describe the invention and it should be understood that they are to be used interchangeably to define the same invention. There are additional features of the invention that will be described hereinafter and which will form the subject matter of the claims appended hereto.

[0020] In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of description and should not be regarded as limiting.

[0021] As such, those skilled in the art will appreciate that the conception, upon which this disclosure is based, may readily be utilized as a basis for the designing of other structures, methods and systems for carrying out the several purposes of the present invention. It is important, therefore, that the claims be regarded as including such equivalent constructions insofar as they do not depart from the spirit and scope of the present invention.

[0022] These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be made to the accompanying drawings and descriptive matter which contains illustrated preferred embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0023] **Figs. 1a-b** Perspective views with the condom in various stages of installation.

5[0024] **Figs. 2a-d** Side elevation and side elevation detail, as well as flattened views of the slit, respectively.

[0025] **Figs. 3a-b** Side elevation and cross section along B – B of 3a, respectively.

DETAILED DESCRIPTION

10[0026] An improved condom (10) comprises the general features commonly found on existing condoms as far as shape and material are concerned but comprises a slit (12) which partially opens an area defined as “scrotum retained part” (14) and which is located proximal the base (16) of the condom (10). The slit (12) allows for the scrotum retained part
15 (14) to be placed behind the scrotum (18) so that the scrotum (18) itself will hold, or retain, the scrotum retained part (14). A base ring (20) acts like a tight elastic which further helps the scrotum (18) to retain the scrotum retained part (14) and thus, the condom (10).

[0027] The slit (12) generally comprises over half of the circumference of the condom (10) and has its ends (22) created, during the manufacturing process, in such a way so as to prevent any expansion of the slit (12) through involuntary tearing. Given the fragile nature of latex condoms, this is important. Various means can be employed such as terminating the ends (22) with holes (23) which diffuse pressure conducive to tearing, or by making the latex of an increased thickness (24) in the manufacturing process. Or, a combination of both the holes (23) and increased thickness (24) around the periphery of the holes (23).

10[0028] There could be other means such as special treatment of the latex to alter its properties to disallow further tearing.

[0029] In order to use the condom (10), a user would unroll it over its penis, as is known in the art, but making note of the location of the slit (12) so that it is located under the penis. Finish by pulling the base ring (20) so that it pulls the scrotum retained part (14) behind the scrotum (18). To help in locating the position of the slit (12), an indicia (not shown) is placed on the condom (10) so as to visibly indicate the position of the slit (12) before the condom is unrolled.

[0030] As to a further discussion of the manner of usage and operation of the present invention, the same should be apparent from the above description. Accordingly, no further discussion relating to the manner of usage and operation will be provided.

5[0031] With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those
10 illustrated in the drawings and described in the specification are intended to be encompassed by the present invention.

[0032] Therefore, the foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to
15 limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.

CLAIMS

1. An anti slippage condom comprising:
a body and a scrotum retained part;
5 the scrotum retained part extending integrally from the body;
a slit delineating the body from the scrotum retained part.
2. The anti slippage condom of claim 1 wherein:
the slit has non-tearing means.
- 10 2. The anti slippage condom of claim 1 wherein:
a base ring located at the base of the scrotum retained part;
the base ring providing comparatively reduced elasticity in relation to
the scrotum scrotum retained part and the body so as to retain the
15 scrotum retained part behind the scrotum.
3. The anti slippage condom of claim 1 wherein:
the slit comprising more than half of the circumference of the condom.
- 20 4. The anti slippage condom of claim 2 wherein:
the slit non tearing means consisting of having the ends of the slit
terminated by holes.

5. The anti slippage condom of claim 2 wherein:

the slit non tearing means consisting of having the ends of the slit terminated by increased thickness.

5 6. The anti slippage condom of claim 2 wherein:

the slit non tearing means consisting of having the ends of the slit terminated by increased thickness and holes.

7. A method of putting on the anti slipping condom of claim 1

10 consisting in the steps of:

a user unrolls the condom over its penis by making note of the location of the slit;

positioning the slit so as to locate the slit under the penis;

pulling the base ring so that it pulls the scrotum retained part behind

15 the scrotum.

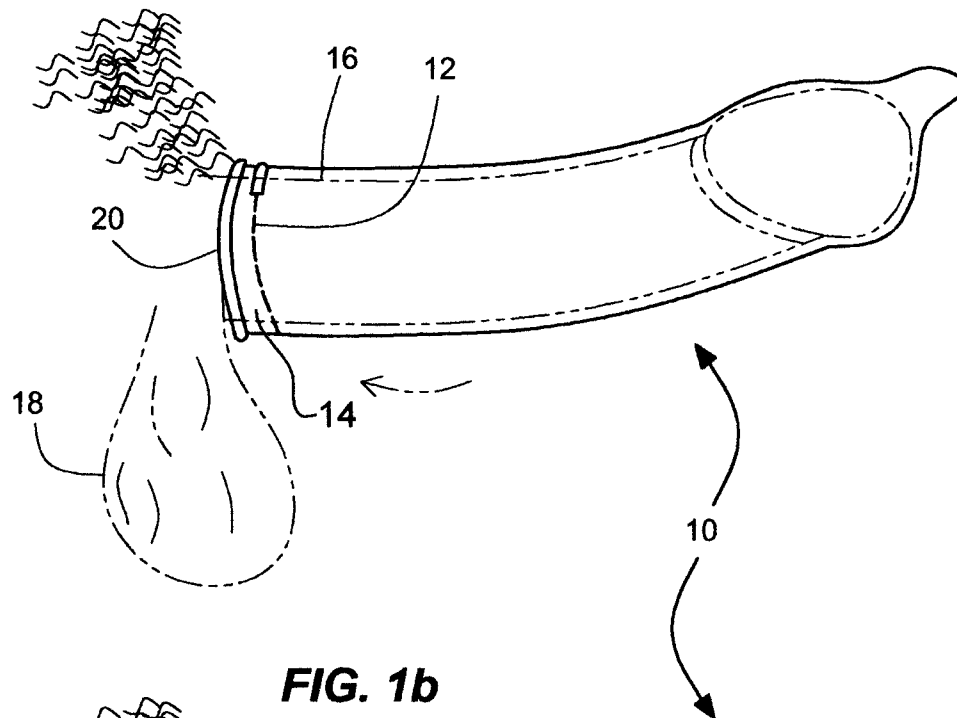
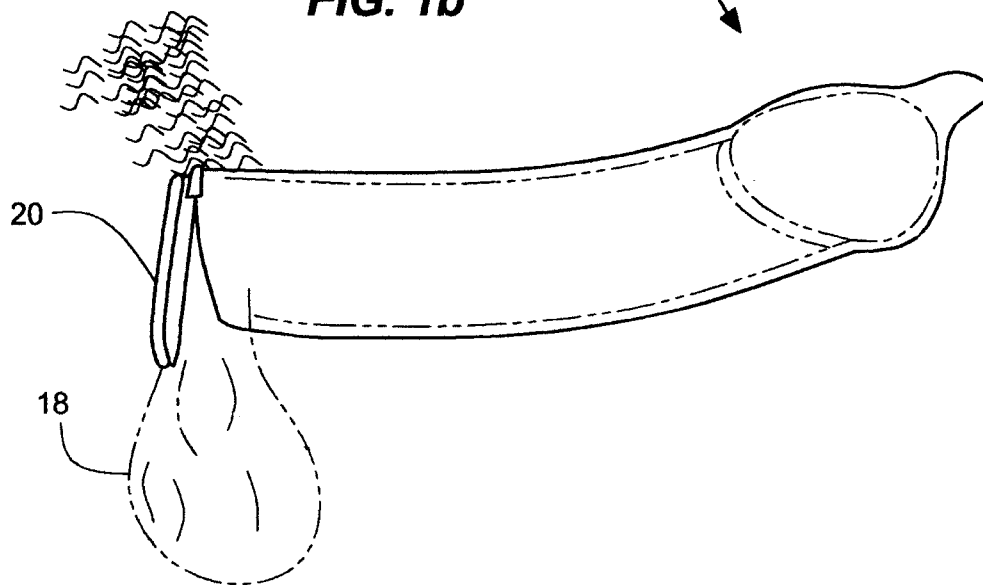
FIG. 1a**FIG. 1b**

FIG. 2a

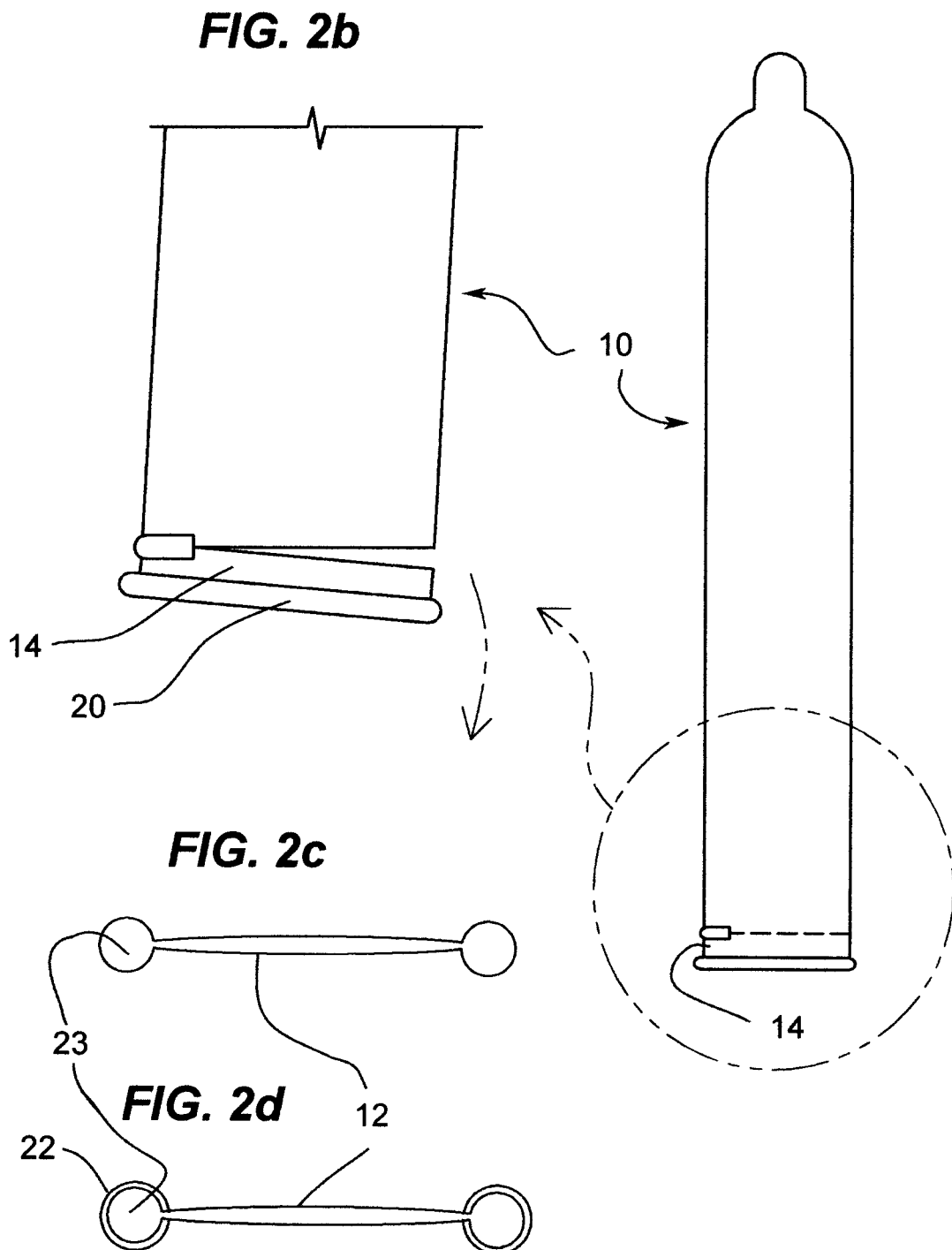


FIG. 2b

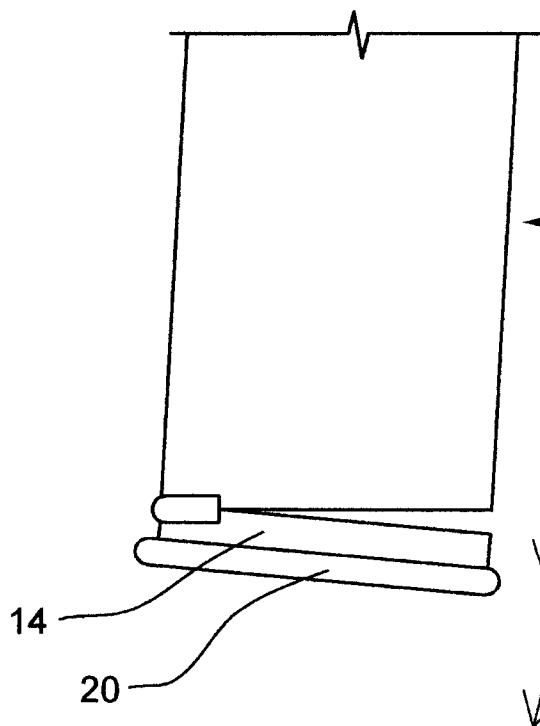


FIG. 2c

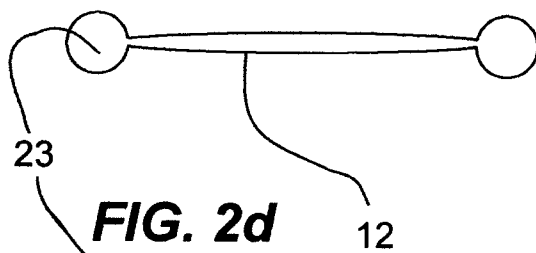
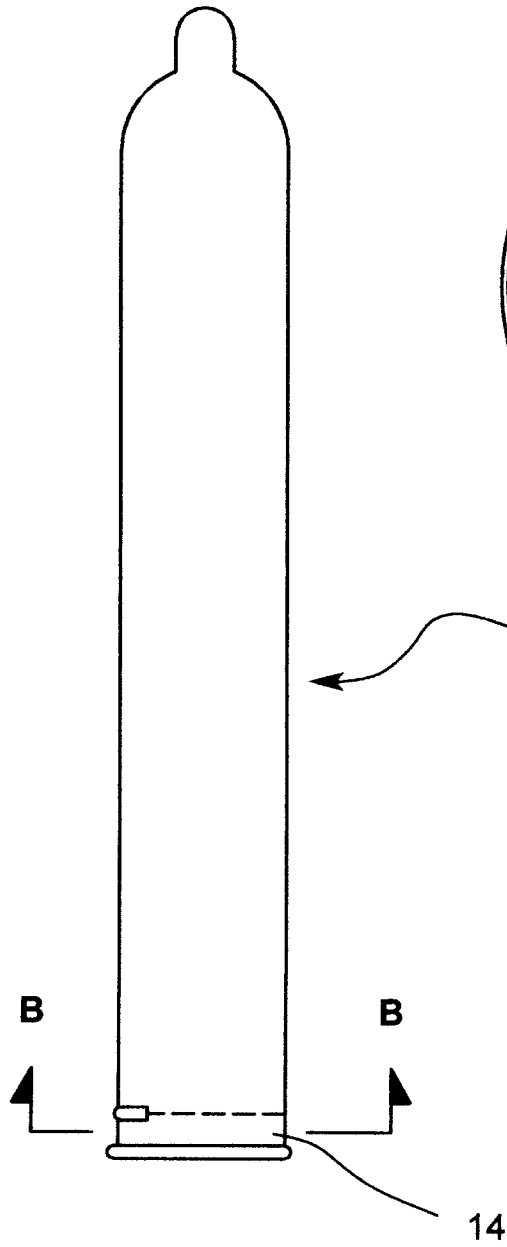
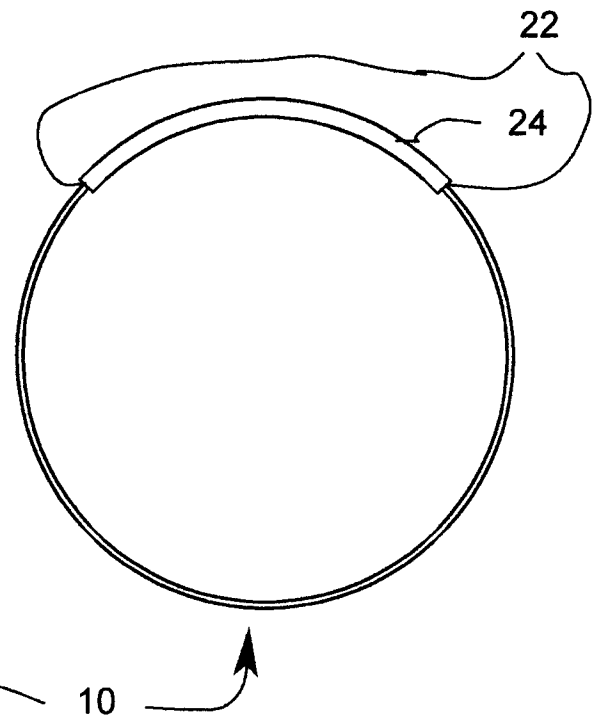


FIG. 2d



FIG. 3a**FIG. 3b**

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2008/002271

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A61F 6/04** (2006.01)

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 (2006.01): A61F 6/04, 6/02 USPC: 128/79, 132R, 294, 295, 844, 916, 206/438, 303, 494, 69, 116/200, 327

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

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

Delphion (all databases), esp@cenet, West, Canadian Patent Database

Keywords: condom or prophylactic, scrotum, retain, slip, slit

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/005940 A1 (MATTHIS, M.R.) 23 January 2003 (23-01-2003) *Page 12, line 35 to Page 13, line 9; Figs. 8 and 9*	1-2(1st appearance), 3-7
X	US 4,354,494 A (HOGIN, P.E.) 19 October 1982 (19-10-1982) *Col. 2, line 21 to Col. 3, line 2; Figs. 1-4*	1-2(1st appearance), 3-7
X	US 5,370,130 A (HESS, R.) 06 December 1994 (06-12-1994) *Col. 4, line 8-42; Figs. 1-4*	1-2(1st appearance), 3-7
X	JP 60/14954 A (KAWANAMI SEIKI, et al.) 25 January 1994 (25-01-1994) *Abstract; Figs. 1-3*	1-2(1st appearance), 3-7
X	SE 8704797 A (WALLENTIN, K.) 02-June 1989 (02-06-1989) *Abstract; Fig. 5*	1-2(1st appearance), 3-7

☐ 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	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search

24 February 2009 (24-02-2009)

Date of mailing of the international search report

26 February 2009 (26-02-2009)

Name and mailing address of the ISA/CA
Canadian Intellectual Property Office
Place du Portage I, C114 - 1st Floor, Box PCT
50 Victoria Street
Gatineau, Quebec K1A 0C9
Facsimile No.: 001-819-953-2476

Authorized officer

Krystyna Bielunska 819- 934-3416

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2008/002271

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
WO 03005940A1	23-01-2003	GB 0113107D0 GB 0113108D0 ZA 200301400A	18-07-2001 18-07-2001 08-03-2004
US 4354494A	19-10-1982	None	
US 5370130A	06-12-1994	AU 7645894A CA 2172268A1 EP 0720461A1 EP 0720461A4 US 5370131A WO 9508309A1	10-04-1995 30-03-1995 10-07-1996 14-05-1997 06-12-1994 30-03-1995
JP 6014954A	25-01-1994	None	
SE 8704797A	02-06-1989	SE 8704797D0 SE 8704797L	01-12-1987 02-06-1989