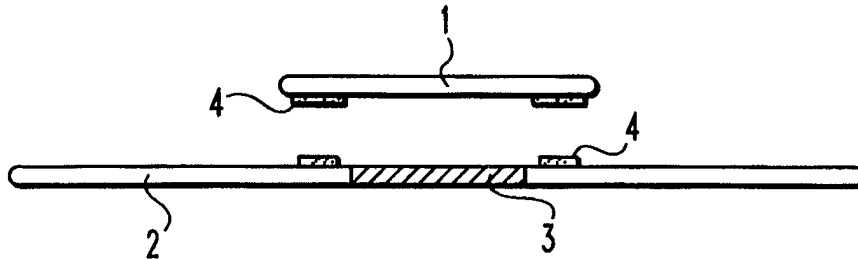




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : A61F 5/00</p>	<p>A1</p>	<p>(11) International Publication Number: WO 98/22051 (43) International Publication Date: 28 May 1998 (28.05.98)</p>
<p>(21) International Application Number: PCT/US97/20991 (22) International Filing Date: 17 November 1997 (17.11.97) (30) Priority Data: 60/031,019 18 November 1996 (18.11.96) US 08/905,199 1 August 1997 (01.08.97) US (71)(72) Applicant and Inventor: HART, Robert, L. [US/US]; 1525 Olive Street, Indianapolis, IN 46203 (US). (74) Agents: NAUGHTON, Joseph, A., Jr. et al.; Woodard, Emhardt, Naughton, Moriarty & McNett, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, IN 46204 (US).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>With amended claims.</i></p>	

(54) Title: ADHESIVE BANDAGE HAVING A RELEASABLE PAD



(57) Abstract

The invention, Miracle Touch Pad (1), comes with its own bandage (4) and has an opening (3) for the Miracle Touch Pad (1) to fit over. The Miracle Touch Pad (1) can be removed without discomfort to the patient. The physician can quickly view the wound. He or she can add medication and/or treat the patient. The Miracle Touch Pad (1) can be removed and does not disturb the bandage. The bandage can easily slip on and off and retains its shape and size after repeated use.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece			TR	Turkey
BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	NZ	New Zealand		
CM	Cameroon		Republic of Korea	PL	Poland		
CN	China	KR	Republic of Korea	PT	Portugal		
CU	Cuba	KZ	Kazakstan	RO	Romania		
CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
DE	Germany	LI	Liechtenstein	SD	Sudan		
DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

ADHESIVE BANDAGE HAVING A RELEASABLE PAD

TECHNICAL FIELD OF INVENTION

The present invention relates to bandages.

BACKGROUND OF THE INVENTION

5 Ordinary adhesive bandages, like Band-Aids, have to be pulled off to see the wound.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a view of the bandage with the Velcro strips and the opening for the Miracle Touch Pad to fit over the bandage opening.

5 Fig. 2 is a view of the Miracle Touch Pad with the Velcro strips.

Fig. 3 is a sectional view of the bandage and the Miracle Touch Pad with a view of the Miracle Touch Pad over the top of bandage.

10 Fig. 4 is a view of the Miracle Touch Pad with Velcro strips.

Figure 5 is a view of the bandage wrap-around with the Velcro strips.

-3-

DESCRIPTION OF THE PREFERRED EMBODIMENTS

This Miracle Touch Pad 1, of Fig. 2 with the Velcro strips 4, Fig. 2 and its own bandage 2, Fig. 1, has an opening 3 of Fig. 1 for the Miracle Touch Pad 1, Fig.3, 5 is the Miracle Touch Pad 1 over the opening 3 on the bandage 2. The Miracle Touch Pad 1, Fig. 4 will fit over the opening 3 of the bandage 2, Fig. 5 of the wrap-around bandage 2 with its Velcro strips 4 for adjustments.

I CLAIM:

1. A Miracle Touch Pad bandage comprising a bandage having adhesive-like or Velcro-like material, and an opening, and a removable pad covering the opening and that enables one to apply medication and/or view the area of skin under the opening, and the pad attaches over the opening on the bandage to cover the opening.

2. The bandage of claim 1 with adhesive-like or velcro-like material on the pad cooperating with adhesive-like or velcro-like material on the bandage so the peel-on and off Miracle Touch Pad is affixed to the bandage to enable the easy opening and closing of the pad at the bandage opening.

3. The bandage of claim 2 where the Miracle Touch Pad can be a solid or see-through pad made from adhesive or elastic and can be freely made of different materials, also a wrap-around made from paper, plastic, fabric, and in all shapes and sizes.

4. A bandage assembly that includes a base with a bottom that attaches to the skin of a patient and provides an opening to surround a wound or other thing on the skin, and reusable fastening material on top of the base, and a miracle touch pad big enough to cover the opening and which has reusable fastening material on it so the pad can be put on the base and fastened there to cover the opening and protect the wound or other thing, but can be removed without tools and then can be put back on the base again to cover the opening and protect the wound.

-5-

5. A bandage assembly of claim 4 where the reusable material is on parallel strips on opposite sides of the opening and near edges of the pad.

6. The bandage assembly of claim 4 but where it can wrap
5 around an arm or a leg and the fastening material is on parallel strips on the base that extend from one edge of the base and the fastening material is also on a strip across the other edge of the base.

7. The bandage assembly of claim 6 and where the base
10 strips are long enough to be wrapped around an arm or leg and pressed onto the strip across at different locations on the base strip to adjust the size of the assembly.

8. The bandage assembly of claim 7 where the two
15 edges of the base, and edges of the strips form the opening to surround the wound.

9. The bandage assembly of claim 8 where the locations of attachment of the parallel strips to the strip across effect the size of the opening.

10. The bandage assembly of claim 9 and where the fastening
20 material on the parallel strips connects to the fastening material on the strip across.

-6-

AMENDED CLAIMS

[received by the International Bureau on 8 May 1998 (08.05.98);
original claim 5 cancelled; original claims 1-4 and 6-10
amended (2 pages)]

1. A bandage assembly comprising:

a bandage having adhesive on the bottom to fasten to a
patient's skin, and having flexible reusable fastening
5 material directly on the top;

an opening through the bandage;

and a removable cap covering the opening that enables
one to totally remove the cap from the bandage and apply
medication and view the area of skin under the opening
10 during use, and the cap has flexible reusable fastening
material that engages and attaches to said material on the
top over the opening on the bandage to cover the opening.

2. The bandage of claim 1 wherein: the reusable
fastening material on the bandage is a hook-and-loop
15 material enabling a peel-on and off attachment of the cap to
the bandage for easy closure and exposure, respectively, of
the bandage opening.

3. The bandage of claim 2 wherein: the cap can be an
opaque or transparent material made from adhesive or elastic
20 and the bandage is made of adhesive and elastic materials.

4. A bandage assembly comprising:

a base with a bottom adapted to attach to the skin of a
patient and which provides an opening to surround a feature
on the skin;

25 reusable fastening material on top of the base; and
two parallel strips of reusable fastening material
having proximal ends spaced apart at an edge of the base on
opposite sides of the opening; and

a cap big enough to cover the opening and which has

reusable fastening material on it cooperable with the fastening material on top of the base so the pad can be put on the base and fastened there to cover the opening and protect the skin feature, but can be removed without tools and then can be put back on the base again using the same cooperating fastening materials to retain the cap to cover the opening and protect the feature.

6. The bandage assembly of claim 4 and wherein it is adapted to wrap around a body part and the fastening material is on parallel strips fastened on the base that extend from one edge of the base and the fastening material is also fastened on the base at the other edge of the base.

7. The bandage assembly of claim 6 and wherein the base and parallel strips are long enough for the parallel strips to be wrapped around the body part and pressed onto the fastening material at the other edge of the base at different locations on the parallel strips to adjust the size of the assembly.

8. The bandage assembly of claim 7 wherein the two edges of the base, and edges of the parallel strips form the opening to surround the skin feature.

9. The bandage assembly of claim 8 wherein the fastening material at the other edge of the base is on a strip across the other edge, and the locations of attachment of the parallel strips to the strip across effect the size of the opening.

10. The bandage assembly of claim 9 and wherein the fastening material on the parallel strips connects to the fastening material on the strip across.

Fig. 1

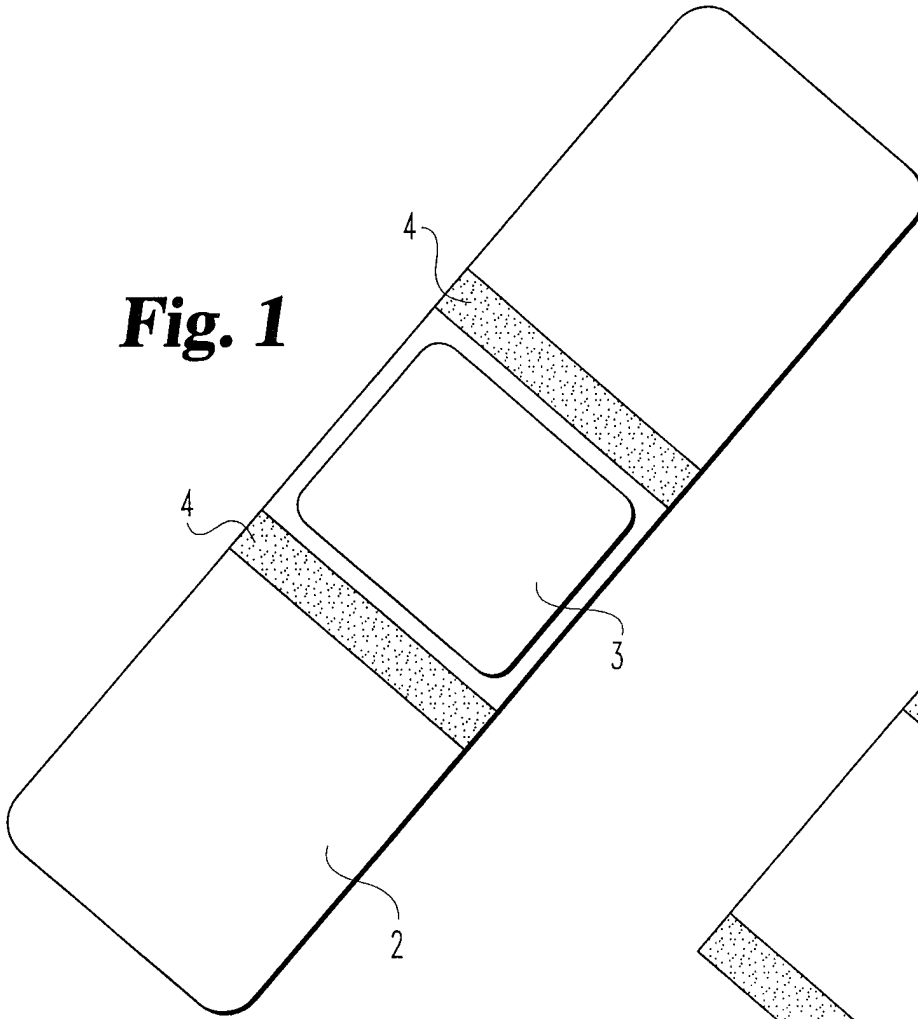
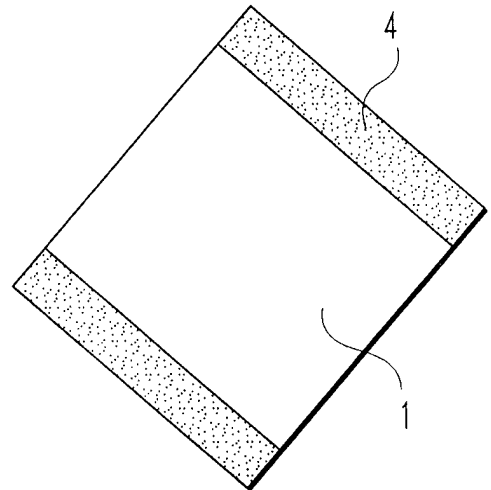


Fig. 2



2/2

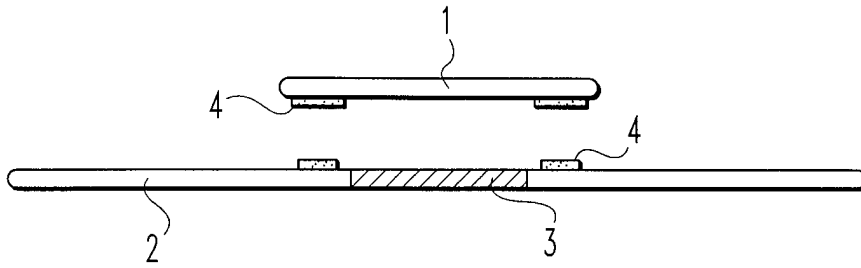


Fig. 3

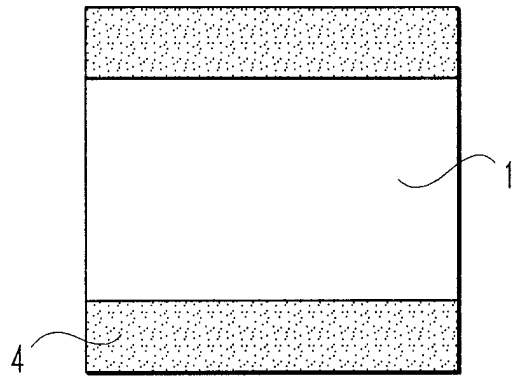


Fig. 4

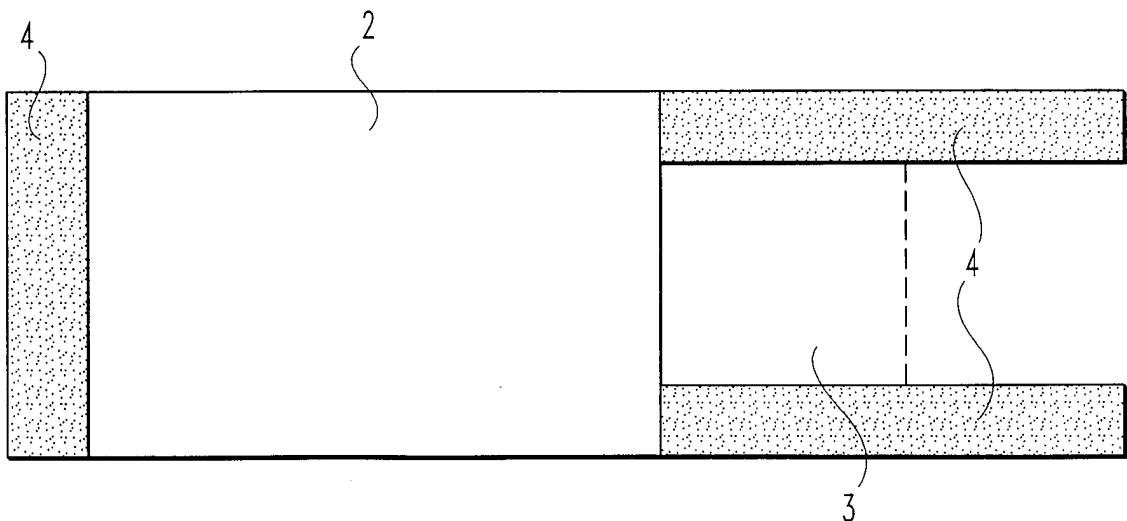


Fig. 5

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US97/20991

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : A61F 5/00 US CL : 602/42 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. : 602/26, 42-63, 79 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 — Y Y Y	US 5,086,763 A (HATHMAN) 11 February 1992, see the entire document. US 5,449,340 A (Tollini) 12 September 1995, see the entire document. US 5,456,660 A (Reich et al.) 10 October 1995, see the entire document.	1-4 — 5-8 5-8 6-8
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* *A* *E* *L* *O* *P*	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document published on or after the international filing date 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 referring to an oral disclosure, use, exhibition or other means 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	
12 FEBRUARY 1998	06 APR 1998 	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer FOR KIM M. LEE Telephone No. (703) 308-1191	