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(12) **United States Design Patent**  
**Vivenzio**

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(54) **BLOOD-PRESSURE CUFF**

(75) Inventor: **Robert L. Vivenzio**, Auburn, NY (US)

(73) Assignee: **Welch Allyn, Inc.**, Skaneateles Falls, NY (US)

(\*\*) Term: **14 Years**

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 12/704,638, filed on Feb. 12, 2010, which is a continuation-in-part of application No. 12/468,438, filed on May 19, 2009.

(51) **LOC (9) Cl.** ..... **24-02**

(52) **U.S. Cl.** ..... **D24/165**

(58) **Field of Classification Search** ..... D24/164-169, D24/107, 186, 187, 132, 143, 190, 192, 231; 600/301, 481-483, 485, 490, 493-495, 500, 600/503, 509; 128/900; 606/202, 203  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,106,341	A	8/1914	Bristol
1,328,876	A	1/1920	Hill
1,377,032	A	5/1921	Starling et al.
1,729,297	A	9/1929	Stewart
2,087,494	A	7/1937	Annin
2,341,137	A	2/1944	Damron
2,564,669	A	8/1951	Brady
2,636,394	A	4/1953	Melchior
2,678,040	A	5/1954	Poole et al.
2,714,379	A	8/1955	Raines
3,279,459	A	10/1966	Schenker
3,606,880	A	9/1971	Ogle, Jr.
3,633,567	A	1/1972	Sarnoff
3,635,214	A	1/1972	Rand et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CA 2100854 1/1994

(Continued)

**OTHER PUBLICATIONS**

International Search Report and Written Opinion for PCT/US010/35062, Dated Sep. 28, 2010 (16 pages).

(Continued)

*Primary Examiner* — Anhdao Doan

(74) *Attorney, Agent, or Firm* — Roger P. Bonenfant

(57) **CLAIM**

The ornamental design for a blood-pressure cuff, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of the portions of the blood-pressure cuff according to an embodiment of the present invention;

FIG. 2 is a bottom perspective view of the portions of the blood-pressure cuff shown in FIG. 1;

FIG. 3 is a top view of the portions of the blood-pressure cuff shown in FIG. 1;

FIG. 4 is a bottom view of the portions of the blood-pressure cuff shown in FIG. 1;

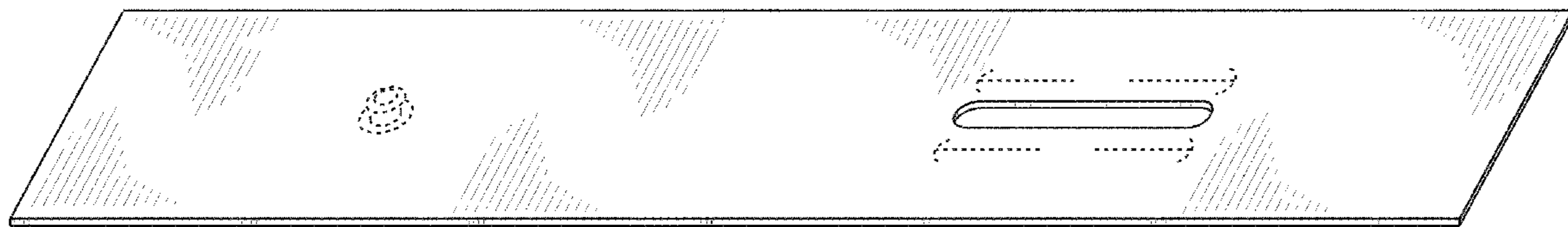
FIG. 5 is a side view of the portions of the blood-pressure cuff shown in FIG. 1;

FIG. 6 is a front-end view of the portions of the blood-pressure cuff shown in FIG. 1; and,

FIG. 7 is a rear-end view of the portions of the blood-pressure cuff shown in FIG. 1.

The broken lines in the figure views are included for the purpose of illustrating portions of the blood-pressure cuff that form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



U.S. PATENT DOCUMENTS

3,654,931 A \* 4/1972 Hazlewood ..... 606/202  
 3,659,592 A 5/1972 Natkanski  
 3,756,239 A 9/1973 Smythe  
 3,757,772 A 9/1973 Goldblat et al.  
 3,760,795 A 9/1973 Adelhed  
 3,773,036 A 11/1973 Weyer  
 3,797,315 A 3/1974 Halpern  
 3,805,618 A 4/1974 Csaposs et al.  
 3,874,242 A 4/1975 Csaposs et al.  
 3,906,937 A 9/1975 Aronson  
 D244,879 S 6/1977 Manno  
 4,036,061 A 7/1977 Speidel  
 4,036,216 A 7/1977 Ramsey, III  
 4,040,298 A 8/1977 Lee et al.  
 4,248,241 A 2/1981 Tacchi  
 4,255,970 A 3/1981 Van Pottelberg  
 4,354,503 A \* 10/1982 Golden ..... 600/499  
 D269,905 S 7/1983 Tamm  
 4,417,587 A \* 11/1983 Ichinomiya et al. .... 600/495  
 4,501,271 A 2/1985 Clifton et al.  
 4,535,938 A 8/1985 Lindabury, Sr.  
 4,543,824 A 10/1985 Marterer  
 4,549,550 A 10/1985 Kami  
 4,605,010 A 8/1986 McEwen  
 4,653,506 A 3/1987 Romanovskaya  
 4,685,336 A 8/1987 Lee  
 4,726,382 A 2/1988 Boehmer et al.  
 4,726,686 A 2/1988 Wolf et al.  
 4,802,370 A 2/1989 EerNisse et al.  
 4,844,512 A 7/1989 Gahwiler  
 4,896,676 A 1/1990 Sasaki  
 4,920,971 A 5/1990 Blessinger  
 4,967,758 A 11/1990 Masciarotte  
 4,979,953 A 12/1990 Spence  
 5,003,981 A 4/1991 Kankkunen et al.  
 5,025,792 A 6/1991 Hon et al.  
 5,048,533 A 9/1991 Muz  
 D324,425 S \* 3/1992 Yoshikawa et al. .... D24/165  
 5,101,830 A 4/1992 Duffy et al.  
 5,137,024 A 8/1992 Souma  
 5,179,957 A 1/1993 Williams  
 5,181,422 A 1/1993 Leonard et al.  
 5,220,925 A 6/1993 Hishida  
 5,228,448 A 7/1993 Byrd  
 5,275,444 A 1/1994 Wythoff  
 5,320,169 A 6/1994 Delatore  
 5,392,782 A 2/1995 Garrett  
 D356,155 S 3/1995 Caven  
 5,396,894 A 3/1995 Eide et al.  
 5,400,787 A 3/1995 Marandos  
 5,411,518 A \* 5/1995 Goldstein et al. .... 606/202  
 5,413,582 A 5/1995 Eaton  
 5,424,598 A 6/1995 Corbett  
 5,485,848 A \* 1/1996 Jackson et al. .... 600/485  
 5,511,552 A 4/1996 Johnson  
 5,513,534 A 5/1996 Brechbuhl et al.  
 5,513,643 A 5/1996 Suite  
 5,626,142 A 5/1997 Marks  
 5,660,182 A 8/1997 Kuroshaki et al.  
 5,678,558 A 10/1997 Johnson  
 5,690,672 A 11/1997 Cohen  
 5,746,213 A 5/1998 Marks  
 5,753,821 A 5/1998 Chou  
 5,819,739 A 10/1998 Levavi et al.  
 5,882,515 A 3/1999 Lacy et al.  
 5,904,655 A 5/1999 Brackett  
 5,966,829 A 10/1999 Lia et al.  
 D417,002 S \* 11/1999 Scott ..... D24/165  
 6,036,718 A 3/2000 Ledford et al.  
 6,082,170 A 7/2000 Lia et al.  
 6,095,983 A 8/2000 Wawro  
 6,120,458 A 9/2000 Lia et al.  
 6,149,600 A 11/2000 Poorman-Ketchum  
 6,152,880 A 11/2000 Okada  
 6,168,566 B1 1/2001 Lia et al.  
 6,189,558 B1 2/2001 Traylor

6,213,953 B1 4/2001 Reeves  
 6,234,972 B1 5/2001 Lia et al.  
 6,245,023 B1 6/2001 Clemmons  
 6,245,024 B1 6/2001 Montagnino et al.  
 6,344,025 B1 2/2002 Inagaki et al.  
 6,346,084 B1 2/2002 Schnell et al.  
 6,394,977 B1 5/2002 Taylor et al.  
 6,422,086 B1 7/2002 Dromms et al.  
 6,475,153 B1 11/2002 Khair et al.  
 6,481,291 B1 11/2002 Lia et al.  
 6,506,162 B1 1/2003 Tseng  
 6,525,238 B2 2/2003 Corrales  
 6,551,249 B2 4/2003 Ashida et al.  
 6,578,428 B1 6/2003 Dromms et al.  
 6,615,666 B1 9/2003 Lia et al.  
 6,616,666 B1 9/2003 Michelson  
 6,682,547 B2 1/2004 McEwen et al.  
 6,746,406 B2 6/2004 Lia et al.  
 6,796,186 B2 9/2004 Lia et al.  
 D532,519 S 11/2006 Aujla et al.  
 D568,478 S 5/2008 Karla et al.  
 D583,477 S \* 12/2008 Kato ..... D24/165  
 7,722,542 B2 5/2010 Lia et al.  
 2001/0005777 A1 6/2001 Nakagawa et al.  
 2002/0099297 A1 7/2002 Nakagawa et al.  
 2002/0156382 A1 10/2002 Freund et al.  
 2003/0036690 A1 2/2003 Geddes et al.  
 2004/0083816 A1 5/2004 Lia et al.  
 2004/0092831 A1 5/2004 Hood, Jr.  
 2004/0181156 A1 9/2004 Kingsford et al.  
 2006/0089668 A1 4/2006 Warburton  
 2006/0217618 A1 9/2006 Lia et al.  
 2006/0293600 A1 12/2006 Wawro et al.  
 2007/0135836 A1 6/2007 McEwen et al.  
 2007/0244506 A1 10/2007 McEwen et al.

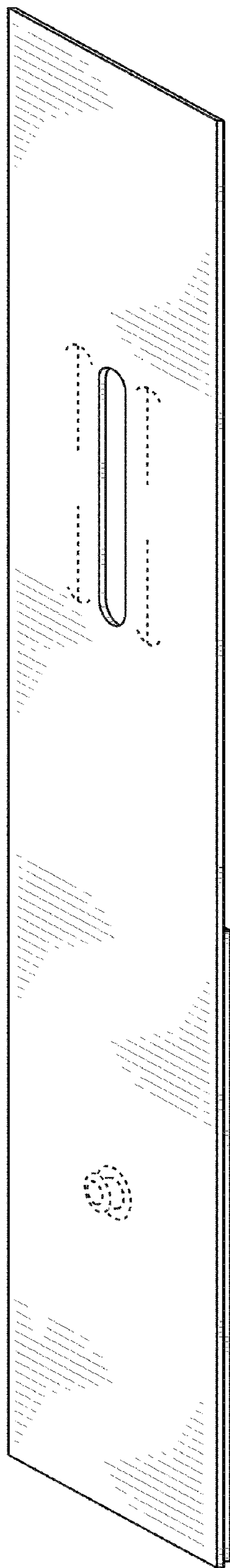
FOREIGN PATENT DOCUMENTS

DE 2220233 11/1973  
 DE 0591564 10/1992  
 EP 0591564 4/1994  
 EP 0705563 4/1996  
 EP 1945096 7/2008  
 EP 1992281 11/2008  
 FR 2592297 7/1987  
 GB 740181 11/1955  
 JP 2002253518 9/2002  
 WO WO 00/22983 4/2000  
 WO WO 00/40941 7/2000  
 WO WO 02/26128 4/2002  
 WO WO 2007/035271 3/2007  
 WO WO 2007/116588 10/2007  
 WO WO 2007/125546 11/2007

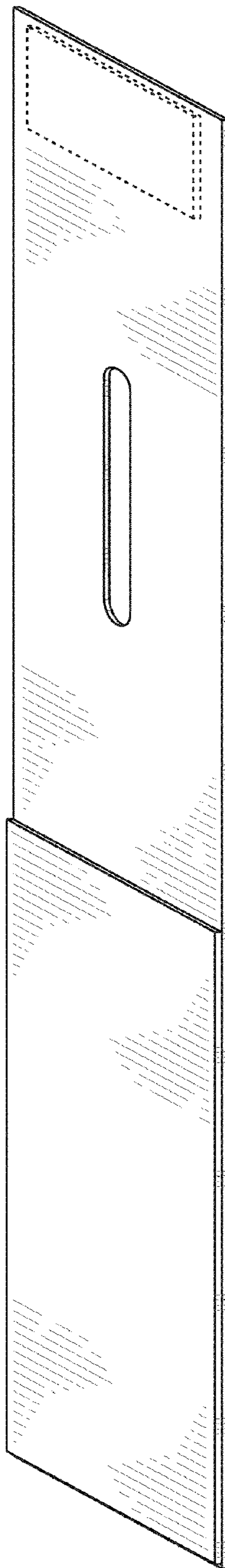
OTHER PUBLICATIONS

International Search Report and Written Opinion for PCT/US010/35065, Dated Sep. 27, 2010 (16 pages).  
 International Search Report and Written Opinion for PCT/US07/16828, Dated Jan. 18, 2008 (7 pages).  
 International Search Report for PCT/US06/34909, Dated Feb. 5, 2007 (6 pages).  
 Invitation to Pay Additional Fees and, Where Applicable, Protest Fee for PCT/US10/35062, Dated Jul. 20, 2010 (7 pages).  
 Invitation to Pay Additional Fees and, Where Applicable, Protest Fee for PCT/US10/35065, Dated Jul. 20, 2010 (7 pages).  
 "Plastics Plus, Inc. Biodegradable Solution PPI BD-0701"; Published Oct. 2008 (8 pages).  
 "Socket", The American Heritage Dictionary of the English Language .COPYRGT. Houghton Mifflin Company 2003. Retrieved Nov. 7, 2007 from <http://www.credoreference.com/entry/4133272>.  
 Supplementary European Search Report for EP 06 79 0195, Dated Oct. 30, 2009 (11 pages).  
 Welch Allyn DuraShock Integrated Aneroid Sphygmomanometer Operating Instructional Manual (8 pages).

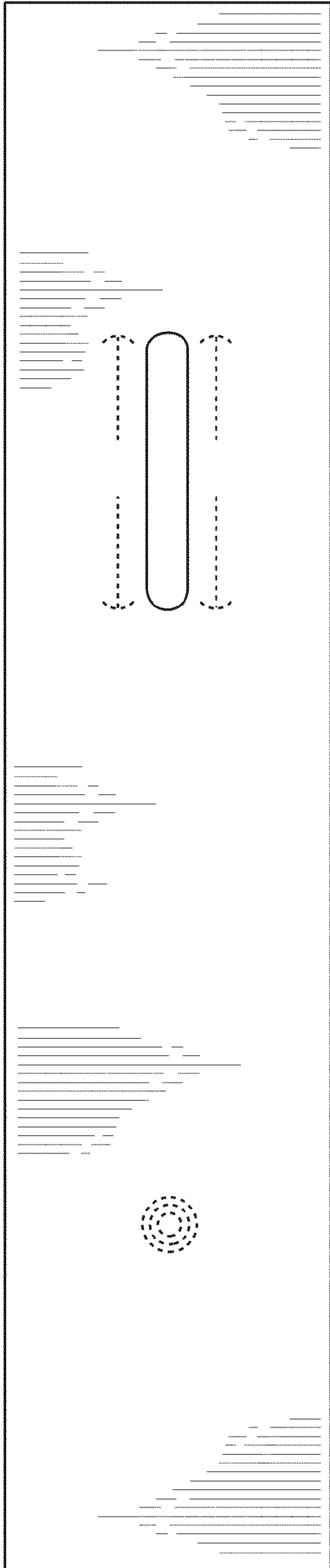
\* cited by examiner



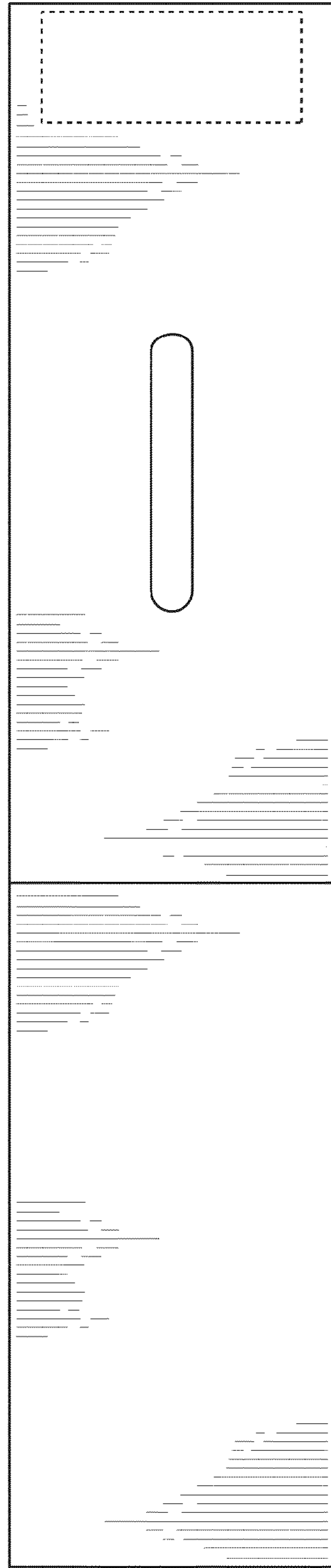
**FIG. 1**



**FIG. 2**



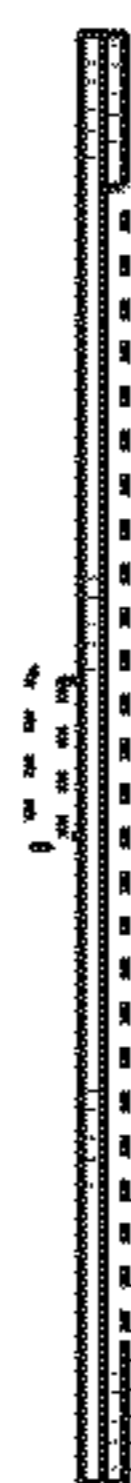
**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**