



US00D559249S

(12) **United States Design Patent** (10) **Patent No.:** **US D559,249 S**  
**Takei** (45) **Date of Patent:** **\*\* Jan. 8, 2008**

(54) <b>PORTABLE HARD DISK DRIVE</b>	JP	D1243508 S	6/2005
	TW	442108 S	6/2001
(75) Inventor: <b>Yutaka Takei</b> , Tokyo (JP)	TW	477614 S	2/2002
	TW	486318 S	5/2002
(73) Assignee: <b>Sony Corporation</b> , Tokyo (JP)	TW	500441 S	8/2002
	TW	541060 S	7/2003
(**) Term: <b>14 Years</b>	TW	545993 S	8/2003
	TW	546019 S	8/2003
(21) Appl. No.: <b>29/263,346</b>	TW	549927 S	8/2003
	TW	D102577 S	1/2005
(22) Filed: <b>Jul. 21, 2006</b>	TW	D103010 S	2/2005

(51) **LOC (8) Cl.** ..... **14-02**  
(52) **U.S. Cl.** ..... **D14/356**  
(58) **Field of Classification Search** ..... D14/137,  
D14/156, 167, 240, 242, 299, 348, 356, 384-5,  
D14/402, 432-435, 496; 257/315; 439/518,  
439/139, 141, 144, 140, 638; 365/63, 131;  
710/74, 62; 361/685-6

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D307,261 S *	4/1990	Miki et al. ....	D13/103
D363,064 S *	10/1995	Rogov .....	D14/433
D368,911 S *	4/1996	Lam .....	D14/242
D444,788 S	7/2001	Do et al.	
6,567,273 B1	5/2003	Liu et al.	
6,676,420 B1 *	1/2004	Liu et al. ....	439/131
D487,458 S *	3/2004	Gentil et al. ....	D14/356
6,786,743 B2 *	9/2004	Huang .....	439/131
D508,711 S *	8/2005	Suzuki .....	D16/218

(Continued)

**FOREIGN PATENT DOCUMENTS**

JP	D899383 S	5/1994
JP	D1096580 S	1/2001
JP	D1115411 S	7/2001
JP	D1115508 S	7/2001
JP	D1123108 S	10/2001
JP	D1164026 S	1/2003
JP	2004-5407 A	1/2004
JP	D1228555 S	1/2005
JP	D1238445 S	5/2005

**OTHER PUBLICATIONS**

PDF Search: A-Data Technology.pdf— [http://www.adata.com.tw/adata\\_en/product\\_show.php?ProductNo=AHD1ZZZGH](http://www.adata.com.tw/adata_en/product_show.php?ProductNo=AHD1ZZZGH), pp. 1-2, Jul. 3, 2007.\*

(Continued)

*Primary Examiner*—Robin V. Webster  
*Assistant Examiner*—Karen E Kearney  
(74) *Attorney, Agent, or Firm*—Rader, Fishman & Grauer, PLLC

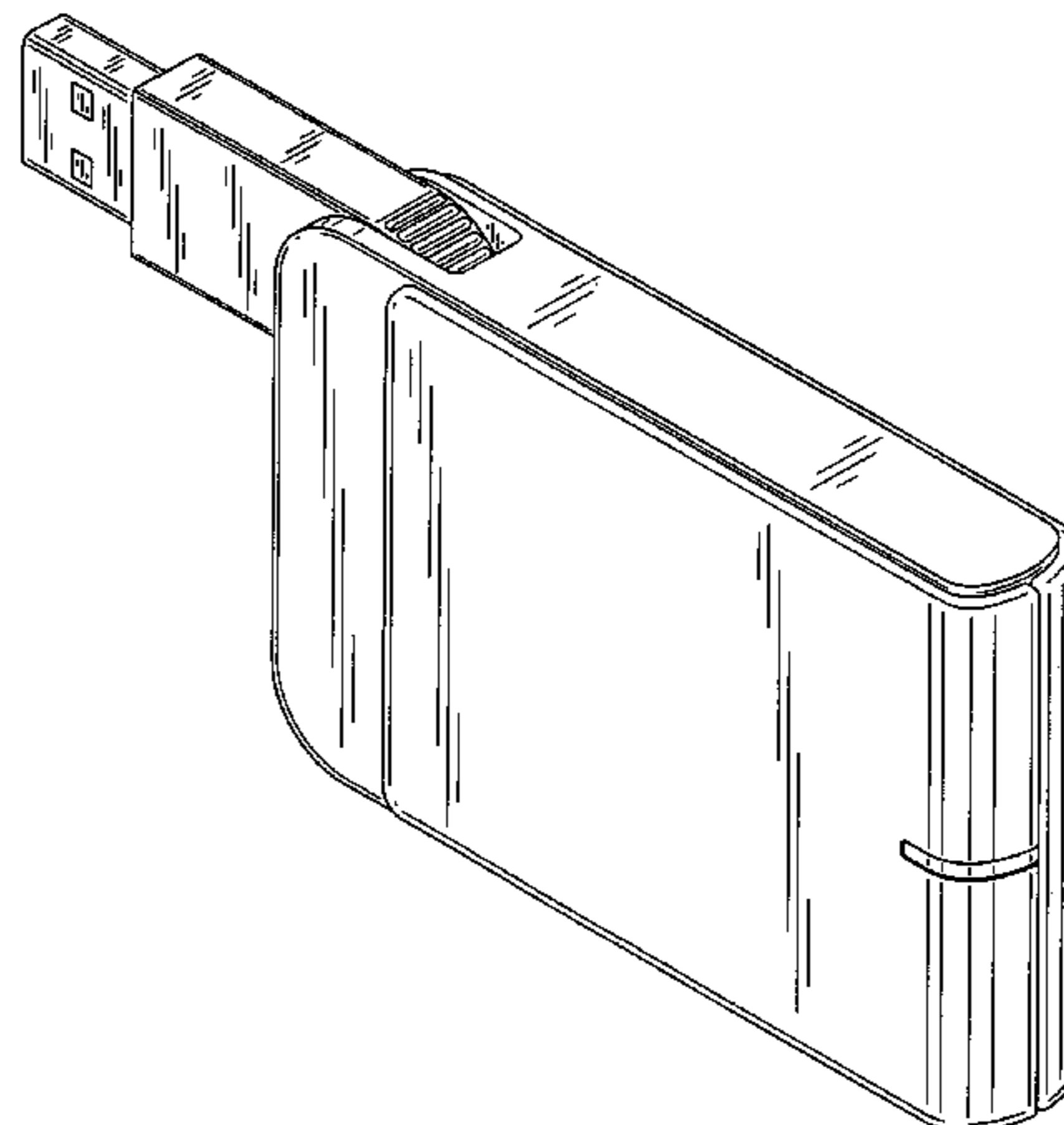
(57) **CLAIM**

The ornamental design for a portable hard disk drive, as shown.

**DESCRIPTION**

FIG. 1 is a front right top perspective view of a portable hard disk drive showing my new design;  
FIG. 2 is a front left top perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom plan view thereof.

**1 Claim, 8 Drawing Sheets**



U.S. PATENT DOCUMENTS

D511,344 S	11/2005	Takei	
D514,103 S	1/2006	Huang et al.	
7,009,847 B1 *	3/2006	Wu et al.	361/737
7,025,275 B2	4/2006	Huang et al.	
D522,520 S *	6/2006	Hsu	D14/436
D537,036 S *	2/2007	Chen	D13/133
D543,981 S *	6/2007	Diebel	D14/356
2003/0045176 A1 *	3/2003	Liu	439/687
2005/0161513 A1	7/2005	Huang et al.	
2006/0199435 A1 *	9/2006	Foo et al.	439/638

OTHER PUBLICATIONS

batteries-usbcell.com.pdf—<http://www.usbcell.com/products>, Sep. 23, 2006 swivel WD Passport Pocket 6 GB USB 2.0 Hard Drives (WDXMM60WP).pdf—<http://www.wdc.com/en/products/products.asp?driveid=226&language=en>, Nov. 14, 2006.\*

flashdrive\_box\_1.pdf—[http://www.ericbeare.com/public/Theme19/Large\\_Window.asp?page=1&ProductID=A%2D0579](http://www.ericbeare.com/public/Theme19/Large_Window.asp?page=1&ProductID=A%2D0579), [http://www.ericbeare.com/public/Theme19/Large13\\_Window.asp?page=2&ProductID=A%2D0579](http://www.ericbeare.com/public/Theme19/Large13_Window.asp?page=2&ProductID=A%2D0579), [http://www.ericbeare.com/public/Theme19/Large\\_Window.asp?page=3&ProductID=A%2D0579](http://www.ericbeare.com/public/Theme19/Large_Window.asp?page=3&ProductID=A%2D0579), 11 November 2006.\*

Gear Live Home.pdf—<http://www.gearlive.com/index.php/news/category/USB/>, Dec. 13, 2006 inWarehouse 08-664 46 00.pdf—<http://www.inwarehouse.se/Product.aspx?prd=868402>, Jan. 30, 2007.\*

Web page “Mega Cache 15” [http://www.msi.com.tw/program/products/ia/ia/pro\\_ia\\_detail.php?UID=559](http://www.msi.com.tw/program/products/ia/ia/pro_ia_detail.php?UID=559), 3 sheets, Micro-Star Int’l Co., Ltd. (May 2006).

Web page “MICROVAULT” <http://www.sony.net/Products/Media/Microvault/usd-g.html>, 3 sheets, Sony Corporation (May 2006).

Web page “ADR-SDUL” <http://www.sanwa.co.jp/product/syohin.asp?code=ADR-SDUL>, 6 sheets, Sanwa Supply (Jan. 2006).

Web page “USB-HUB204BL” <http://www.sanwa.co.jp/products/syohin.asp?code=USB-HUB204BL&cate=1>, 11 sheets, Sanwa Supply (Jan. 2006).

Web page “USB-HUB16SV” <http://www.sanwa.co.jp/products/syohin.asp?code=USB-HUB16SV&cate=1>, 8 sheets, Sanwa Supply (Jan. 2006).

Web page “USB-HUB18SV” <http://www.sanwa.co.jp/product/syohin.asp?code=USB-HUB18SV>, 5 sheets, Sanwa Supply (Jan. 2006).

Web page “HDD-01” [http://www.yacya.com/ebusiness/en/product\\_detail.asp?catalogid=2&productid=47](http://www.yacya.com/ebusiness/en/product_detail.asp?catalogid=2&productid=47), 2 sheets, YACYA Corporation Limited (Mar. 2006).

Web page “1 Inch HDD Box” [http://www.alibaba.com/catalog/11324107/1\\_Inch\\_HDD\\_Box/showing.html](http://www.alibaba.com/catalog/11324107/1_Inch_HDD_Box/showing.html), 2 sheets, Alibaba.com Corp. (Mar. 2006).

Web page “HDD Pen Drive” [http://xuezhijou.enalibaba.com/product/50099065/50441025/USB\\_Storage/1\\_HDD\\_Pen\\_/deive/s...](http://xuezhijou.enalibaba.com/product/50099065/50441025/USB_Storage/1_HDD_Pen_/deive/s...), 2 sheets, Alibaba.com Corp. (Mar. 2006).

Web page “2.2GB USB Mini Hard Disks” [http://zhuoerte.en.alibaba.com/prodct/50119330/50543449/USB\\_Flash\\_Disks/2.2GB\\_USB\\_Mini\\_H...](http://zhuoerte.en.alibaba.com/prodct/50119330/50543449/USB_Flash_Disks/2.2GB_USB_Mini_H...), 2 sheets, Alibaba.com Corp. (Mar. 2006).

Web page “1” Portable HDD—2.2, 4.0, 6.0 GB [http://www.alibaba.com/catalog/11319552/1\\_Portable\\_HDD\\_2\\_2\\_4\\_0\\_6\\_0\\_GB.html](http://www.alibaba.com/catalog/11319552/1_Portable_HDD_2_2_4_0_6_0_GB.html), 2 sheets, Alibaba.com Corp. (Mar. 2006).

Web page “CW-H8024” <http://www.c-wave.c-wave.com.hk/hdd.html>, 3 sheets, C-Wave Technology (Mar. 2006).

Press Rease “Sony Electronics News & Information/Sony Launches Designs for Micro Vault Lineup at CES” 4 pages, Sony Electronics Inc. (Jan. 2006).

\* cited by examiner

Fig. 1

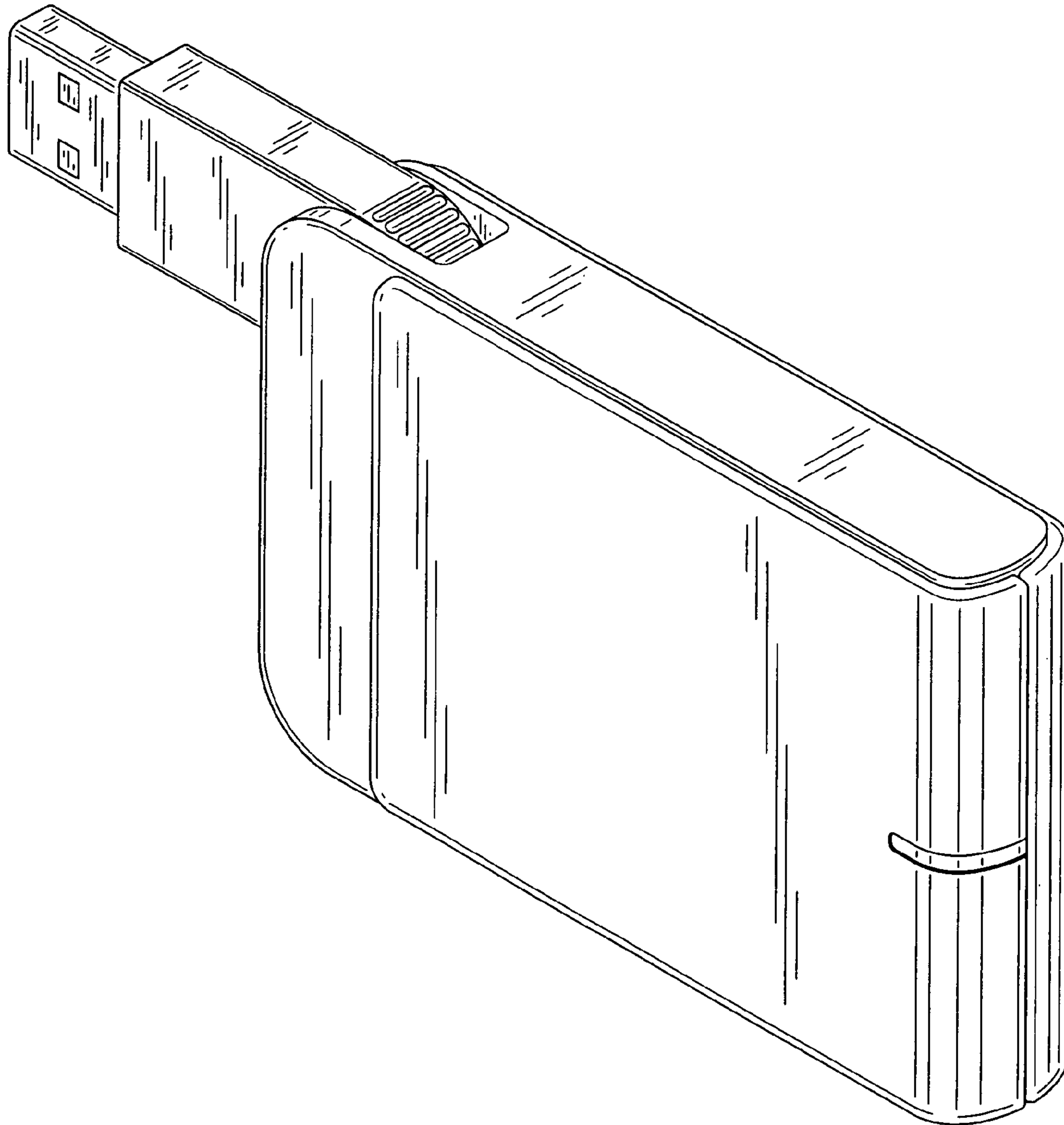


Fig.2

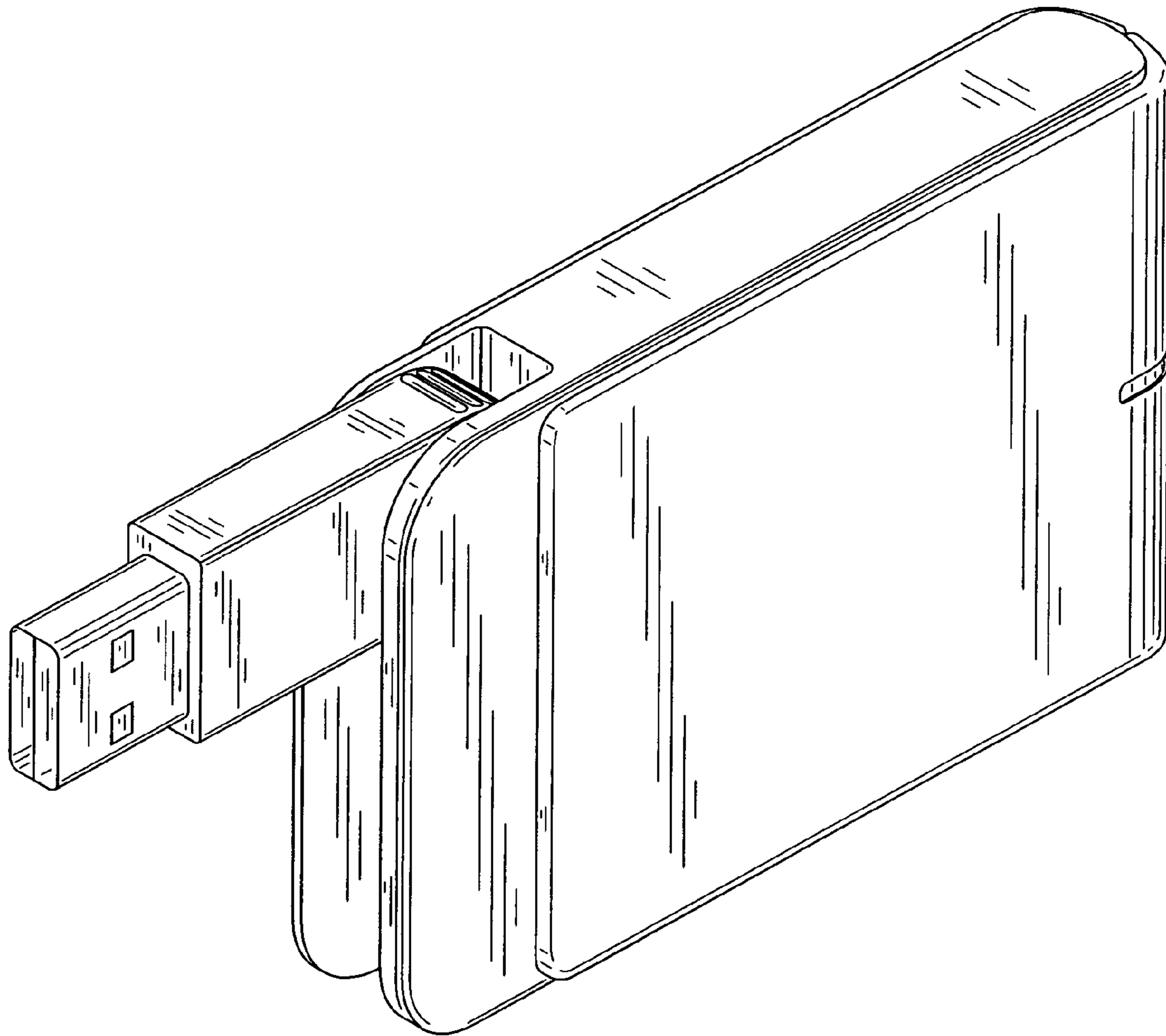


Fig.3

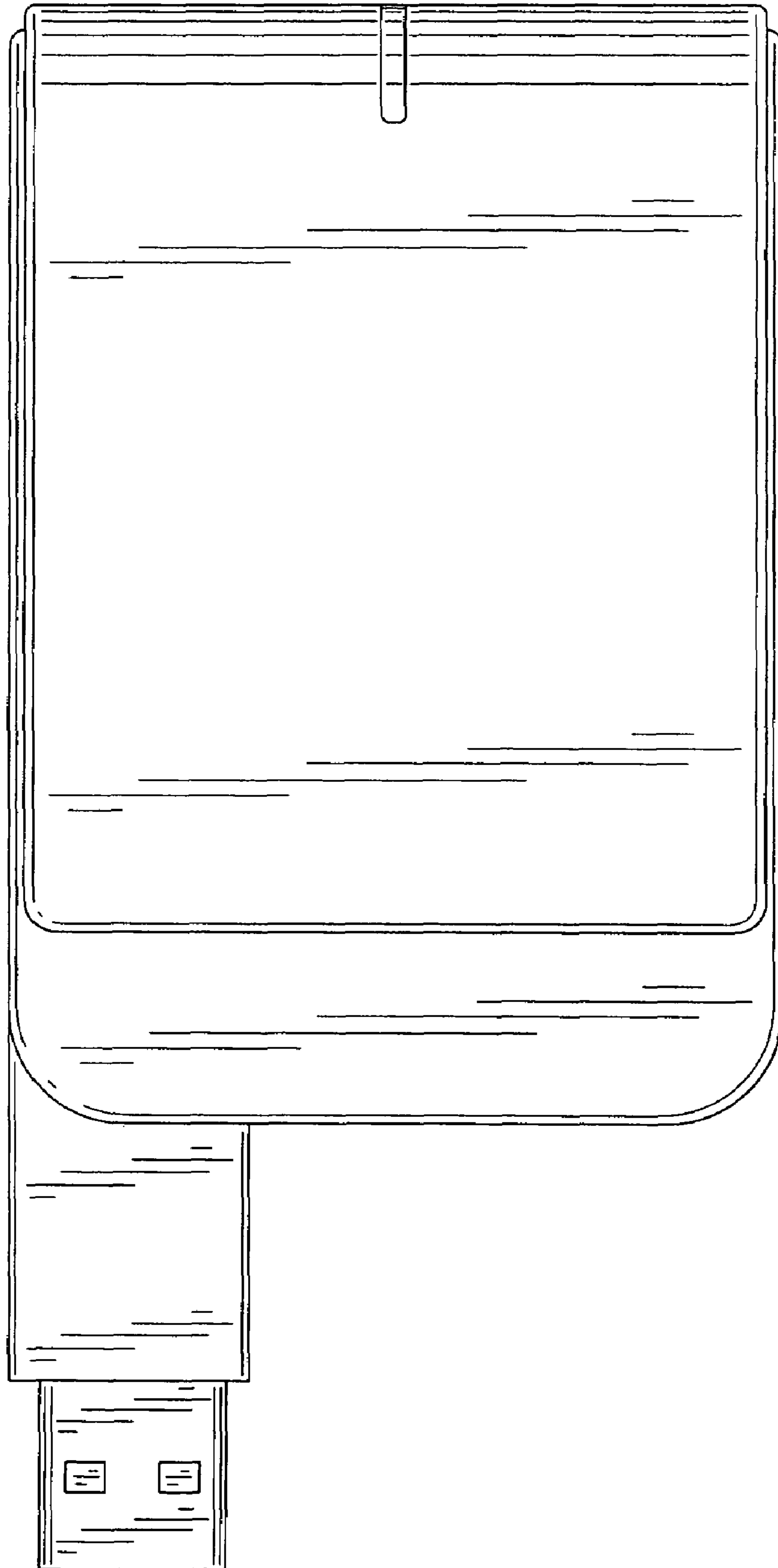


Fig.4

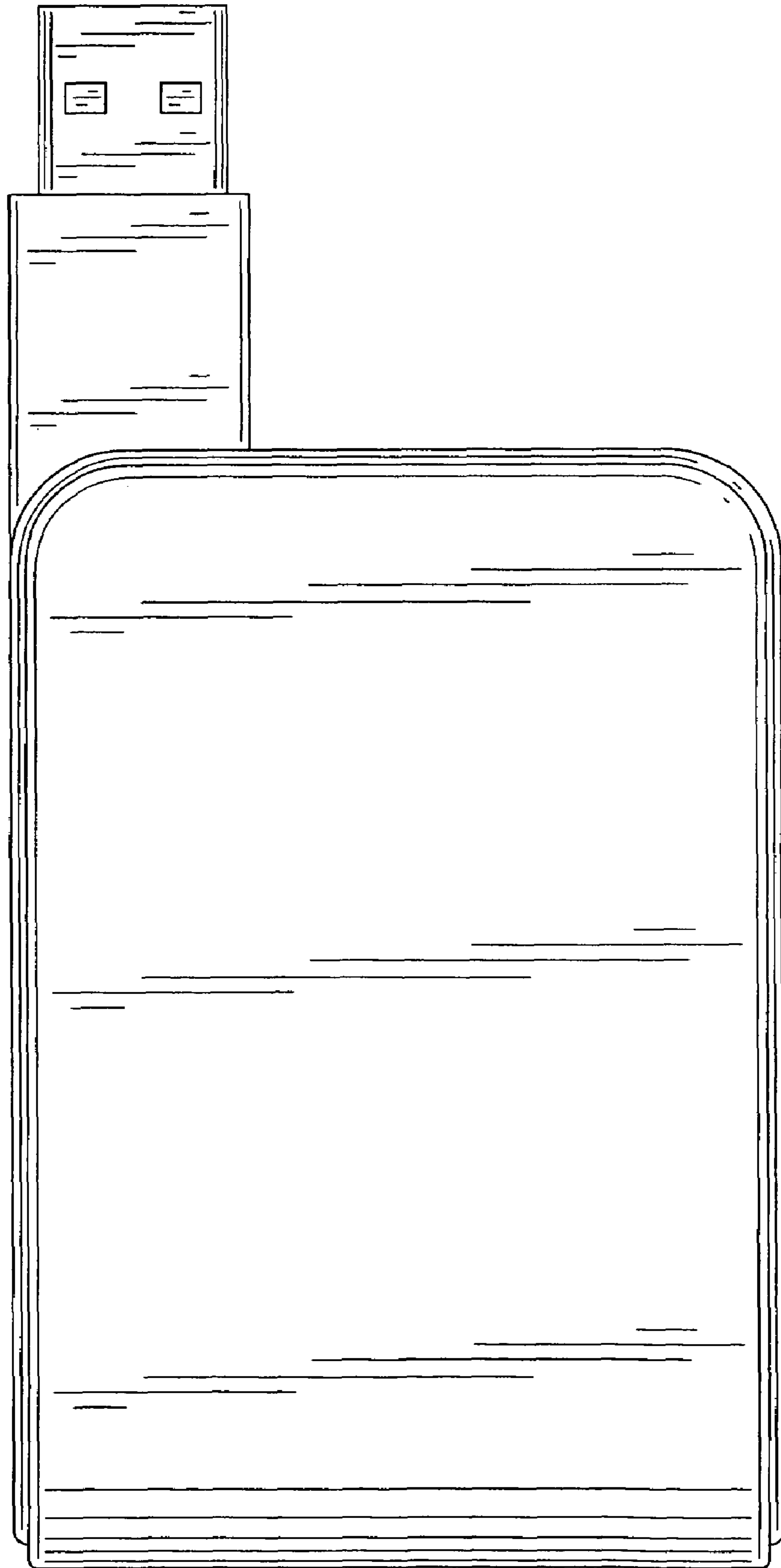


Fig. 5

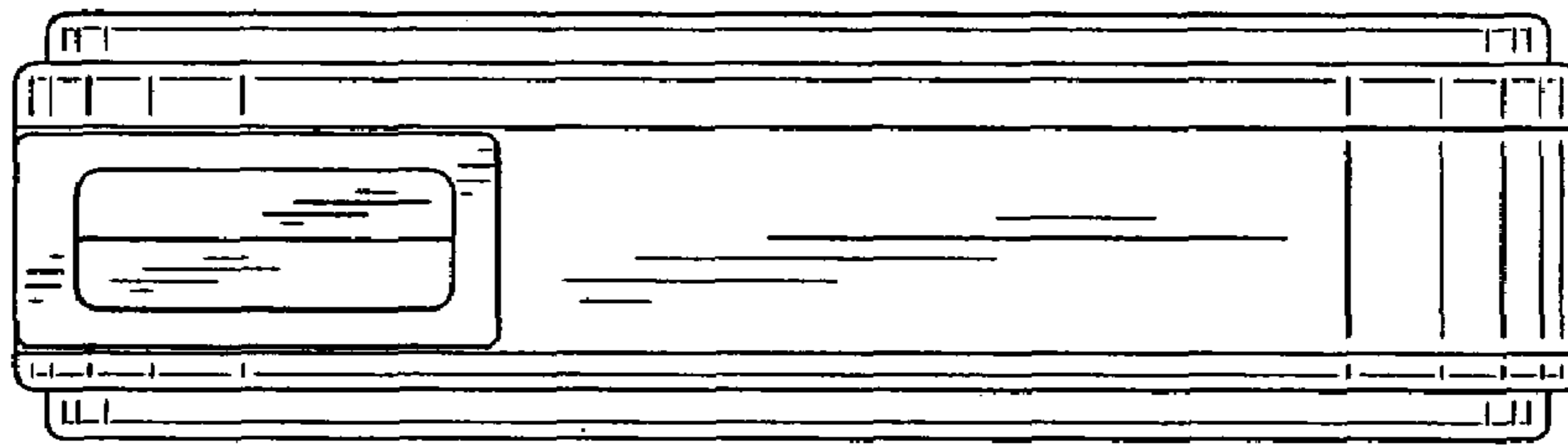


Fig. 6





Fig. 7

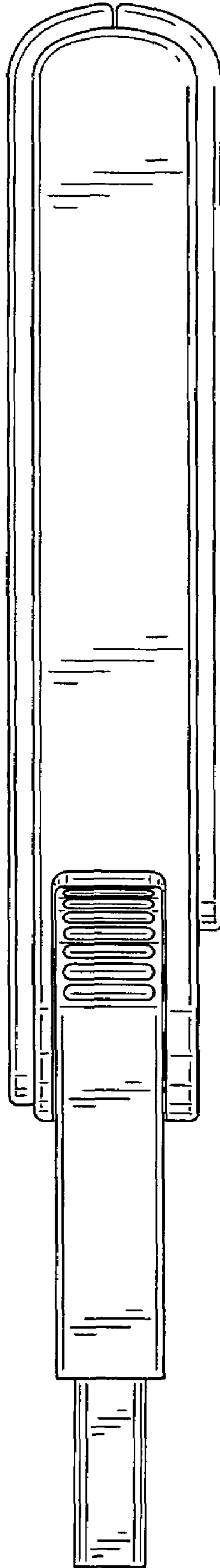


Fig. 8

