



US00D728467S

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

(10) **Patent No.:** **US D728,467 S**

(45) **Date of Patent:** **\*\* \*May 5, 2015**

- (54) **MOBILE BATTERY CHARGER**
- (75) Inventor: **William Benjamin Hasbrook**, Tualatin, OR (US)
- (73) Assignee: **Mophie, Inc.**, Tustin, CA (US)
- (\*) Notice: This patent is subject to a terminal disclaimer.
- (\*\*) Term: **14 Years**

5,786,106 A	7/1998	Armani
D400,495 S	11/1998	Deslyper et al.
5,864,766 A	1/1999	Chiang
5,973,477 A	10/1999	Chang
6,043,626 A	3/2000	Snyder et al.
D427,193 S	6/2000	Fedele
D436,596 S	1/2001	Ito et al.
6,171,138 B1	1/2001	Le Febvre et al.
6,184,654 B1	2/2001	Bachner, III et al.
6,208,115 B1	3/2001	Binder
6,317,313 B1	11/2001	Mosgrove et al.

(Continued)

- (21) Appl. No.: **29/422,897**
  - (22) Filed: **May 24, 2012**
  - (51) **LOC (10) Cl.** ..... **13-02**
  - (52) **U.S. Cl.**  
USPC ..... **D13/103**
  - (58) **Field of Classification Search**  
USPC ..... D13/103-109, 118-122; 320/110-113;  
429/96-100, 163, 175-176, 187;  
D14/341, 356
- See application file for complete search history.

**OTHER PUBLICATIONS**

U.S. Appl. No. 29/410,505 including its prosecution history, filed Jan. 9, 2012, To.

(Continued)

*Primary Examiner* — Susan Bennett Hattan  
*Assistant Examiner* — Brett Miller  
 (74) *Attorney, Agent, or Firm* — Knobbe, Martens, Olson & Bear, LLP

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

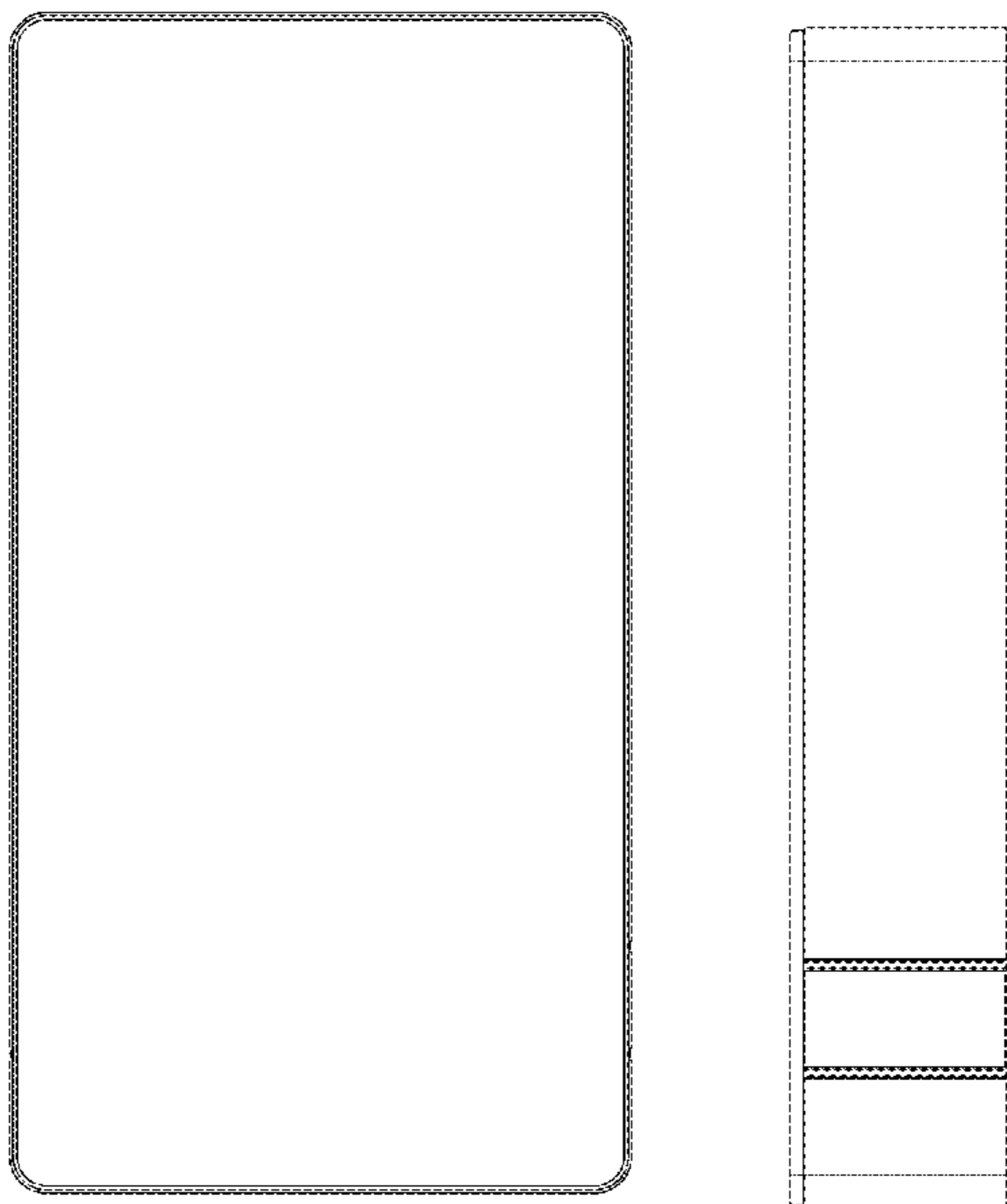
D300,831 S *	4/1989	Jenkins et al.	.....	D14/218
D303,799 S *	10/1989	Fennell et al.	.....	D14/191
5,001,772 A	3/1991	Holcomb et al.		
5,368,159 A	11/1994	Doria		
5,508,123 A	4/1996	Fan		
D372,896 S	8/1996	Nagele et al.		
5,586,002 A	12/1996	Notarianni		
5,604,050 A	2/1997	Brunette et al.		
5,610,979 A	3/1997	Yu		
5,648,712 A	7/1997	Hahn		
5,708,707 A	1/1998	Halttunen et al.		
5,711,013 A	1/1998	Collett et al.		
D392,248 S	3/1998	Johansson		
D392,939 S	3/1998	Finke-Anlauff		

(57) **CLAIM**  
 The ornamental design for a mobile battery charger, as shown and described in the Figures.

**DESCRIPTION**

FIG. 1 is a front view of the mobile battery charger;  
 FIG. 2 is a left-hand-side view of the mobile battery charger;  
 FIG. 3 is a right-hand-side view of the mobile battery charger;  
 FIG. 4 is a rear view of the mobile battery charger;  
 FIG. 5 is a top view of the mobile battery charger; and,  
 FIG. 6 is a bottom view of the mobile battery charger.  
 The portions in broken lines in the drawings are shown to illustrate environment only and form no part of the claimed design.

**1 Claim, 4 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

6,324,380 B1	11/2001	Kiuchi et al.	D649,932 S	12/2011	Symons
D460,411 S	7/2002	Wang	D652,379 S	1/2012	Vandiver
6,538,413 B1	3/2003	Beard et al.	D653,207 S	1/2012	Vandiver
6,555,990 B1	4/2003	Yang	D654,852 S	2/2012	Hansen
6,614,722 B2	9/2003	Polany et al.	D654,854 S	2/2012	Inskeep
D487,458 S	3/2004	Gentil et al.	D656,096 S	3/2012	Sasada et al.
D496,029 S	9/2004	Skulley et al.	D659,094 S	5/2012	Brand et al.
D503,679 S *	4/2005	Andre et al. ....	D661,249 S	6/2012	Smith et al.
D513,617 S *	1/2006	Tierney ..... D14/496	D662,050 S	6/2012	Tien
6,992,461 B2	1/2006	Liang et al.	D662,904 S *	7/2012	Wu et al. .... D14/125
D515,500 S	2/2006	Khasminsky	D663,684 S	7/2012	Yang
D518,477 S	4/2006	Cheng	D663,685 S	7/2012	Yang
D520,502 S	5/2006	Xu et al.	D664,501 S	7/2012	Inskeep
D525,616 S *	7/2006	Andre et al. .... D14/224.1	D664,502 S	7/2012	Inskeep
D529,495 S	10/2006	Kent et al.	D665,732 S *	8/2012	Saito et al. .... D13/103
7,166,987 B2	1/2007	Lee et al.	D666,144 S	8/2012	Brand et al.
D547,056 S	7/2007	Griffin et al.	D667,788 S	9/2012	Mai
D547,057 S	7/2007	Griffin et al.	D671,096 S	11/2012	Song et al.
D551,216 S	9/2007	Wei	D671,937 S *	12/2012	Akana et al. .... D14/341
D556,681 S	12/2007	Kim	D672,309 S	12/2012	Tien
D558,972 S	1/2008	Oh	D672,343 S *	12/2012	Akana et al. .... D14/341
D558,973 S	1/2008	Hussaini et al.	D674,748 S	1/2013	Ferber et al.
D560,231 S *	1/2008	Lee ..... D14/496	D675,156 S	1/2013	Vandiver et al.
D561,092 S	2/2008	Kim	D676,380 S	2/2013	Sun
7,336,973 B2	2/2008	Goldthwaite et al.	D677,657 S *	3/2013	Akana et al. .... D14/341
D565,571 S	4/2008	Trifilio et al.	D678,187 S *	3/2013	Huang ..... D13/103
D568,312 S *	5/2008	Wang et al. .... D14/356	D680,063 S	4/2013	Sasada
D569,629 S *	5/2008	Yu et al. .... D6/308	D682,196 S	5/2013	Leung
D570,772 S	6/2008	Mahaffey et al.	D682,197 S	5/2013	Leung
D572,250 S	7/2008	Yang	D682,777 S *	5/2013	Gupta et al. .... D13/103
7,400,917 B2	7/2008	Wood et al.	D684,571 S *	6/2013	Akana et al. .... D14/341
D575,056 S	8/2008	Tan	D685,732 S	7/2013	Miller et al.
D575,729 S *	8/2008	Nomi et al. .... D13/107	D686,150 S	7/2013	Lee et al.
7,428,427 B2	9/2008	Brunstrom et al.	D686,152 S	7/2013	Lee et al.
D579,902 S *	11/2008	Kim et al. .... D14/138 AD	D686,153 S	7/2013	Qu
D581,151 S	11/2008	Aipa	D688,660 S *	8/2013	Akana et al. .... D14/341
D582,149 S	12/2008	Tan	D689,847 S	9/2013	To
D584,738 S *	1/2009	Kim et al. .... D14/496	8,541,985 B1	9/2013	Wong
7,479,759 B2	1/2009	Vilanov et al.	D690,693 S *	10/2013	Akana et al. .... D14/341
D587,896 S	3/2009	Aipa	8,547,061 B1	10/2013	Wong
D588,147 S	3/2009	Finlayson et al.	D693,297 S *	11/2013	Inskeep ..... D13/108
D589,021 S *	3/2009	Millora ..... D14/138 AD	D693,798 S *	11/2013	Chuang et al. .... D14/240
D593,940 S *	6/2009	Nomi et al. .... D13/103	D694,703 S *	12/2013	Faro ..... D13/103
D594,833 S *	6/2009	Park ..... D14/138 G	D695,214 S	12/2013	Roberts et al.
D598,375 S *	8/2009	Nomi ..... D13/108	D697,865 S *	1/2014	Saito et al. .... D13/103
D598,414 S *	8/2009	Joung et al. .... D14/138 G	D699,177 S *	2/2014	Higashi ..... D13/103
D601,583 S *	10/2009	Andre et al. .... D14/496	D704,135 S	5/2014	Stewart et al.
D601,955 S	10/2009	Ekmekdje	2001/0054148 A1	12/2001	Hoornaert et al.
D601,959 S	10/2009	Lee	2002/0147035 A1	10/2002	Su
D603,334 S	11/2009	Suzuki	2003/0096642 A1	5/2003	Bessa et al.
7,612,997 B1	11/2009	Diebel et al.	2003/0218445 A1	11/2003	Behar
D610,538 S	2/2010	Wu et al.	2003/0228866 A1	12/2003	Pezeshki
D618,237 S	6/2010	Wang	2004/0097256 A1	5/2004	Kujawski
7,778,410 B2	8/2010	Liu et al.	2004/0104268 A1	6/2004	Bailey
7,782,610 B2	8/2010	Diebel et al.	2005/0090301 A1	4/2005	Lange et al.
D623,399 S	9/2010	McSweyen	2005/0231159 A1	10/2005	Jones et al.
D624,747 S	10/2010	McSweyen	2005/0247787 A1	11/2005	Von Mueller et al.
D628,153 S	11/2010	Fujii et al.	2005/0248312 A1	11/2005	Cao et al.
D628,535 S	12/2010	Cheng	2006/0058073 A1	3/2006	Kim
D628,572 S	12/2010	Wang	2006/0063569 A1	3/2006	Jacobs et al.
D632,648 S *	2/2011	Yang ..... D13/108	2006/0099999 A1	5/2006	Park
D633,493 S *	3/2011	Akana et al. .... D14/341	2007/0152633 A1	7/2007	Lee
D633,908 S *	3/2011	Akana et al. .... D14/341	2007/0167190 A1	7/2007	Moosavi et al.
D634,704 S	3/2011	Tieleman et al.	2007/0236180 A1	10/2007	Rodgers
D635,961 S	4/2011	Gidden et al.	2007/0297149 A1	12/2007	Richardson et al.
D636,392 S *	4/2011	Akana et al. .... D14/341	2008/0007214 A1	1/2008	Cheng
D637,951 S	5/2011	Perez	2008/0053770 A1	3/2008	Tynyk
D637,952 S	5/2011	Tan	2008/0096620 A1	4/2008	Lee et al.
D639,731 S	6/2011	Sun	2008/0108395 A1	5/2008	Lee et al.
D642,516 S *	8/2011	Ueda et al. .... D13/103	2008/0123287 A1	5/2008	Rossell et al.
D643,427 S *	8/2011	McGoldrick et al. .... D14/356	2008/0132289 A1	6/2008	Wood et al.
D645,049 S	9/2011	Faranda et al.	2009/0051319 A1	2/2009	Fang et al.
D645,050 S	9/2011	Faranda et al.	2009/0069050 A1	3/2009	Jain et al.
D647,908 S	11/2011	Chen et al.	2009/0073650 A1	3/2009	Huang et al.
D648,270 S *	11/2011	Jiang ..... D13/103	2009/0143104 A1	6/2009	Loh et al.
			2009/0144456 A1	6/2009	Gelf et al.
			2009/0186264 A1	7/2009	Huang
			2010/0026589 A1	2/2010	Dou et al.
			2010/0064883 A1	3/2010	Gynes

(56)

**References Cited**

U.S. PATENT DOCUMENTS

2010/0117597 A1 5/2010 Wang  
 2010/0190046 A1\* 7/2010 Chen et al. .... 429/156  
 2013/0193911 A1 8/2013 Miller at al.  
 2014/0042969 A1 2/2014 Miller at al.

OTHER PUBLICATIONS

U.S. Appl. No. 29/422,891 including its prosecution history, filed May 24, 2012, Hasbrook.  
 U.S. Appl. No. 29/410,518 including its prosecution history, filed Jan. 9, 2012, To.  
 U.S. Appl. No. 29/464,271 including its prosecution history, filed Aug. 14, 2013, To.  
 U.S. Appl. No. 29/478,253 including its prosecution history, filed Jan. 2, 2014, Namminga.  
 U.S. Appl. No. 29/475,951 including its prosecution history, filed Dec. 9, 2013, Hasbrook et al.  
 U.S. Appl. No. 29/478,243 including its prosecution history, filed Jan. 2, 2014, Kim.

Jeremy Horwitz, "Kensington Mini Battery Pack and Charger for iPhone and iPod," dated May 16, 2008, <http://www.ilounge.com/index.php/reviews/entry/kensington-mini-battery-pack-and-charger-for-iphone-and-ipod/>.

Kensington Mini Battery Pack and Charger for iPhone and iPod, dated Sep. 30, 2008, 1 Page.

Sven Rafferty, "Mybat External Battery for iPhone and iPod," dated May 18, 2008, <http://svenontech.com/reviews/?p=74>.

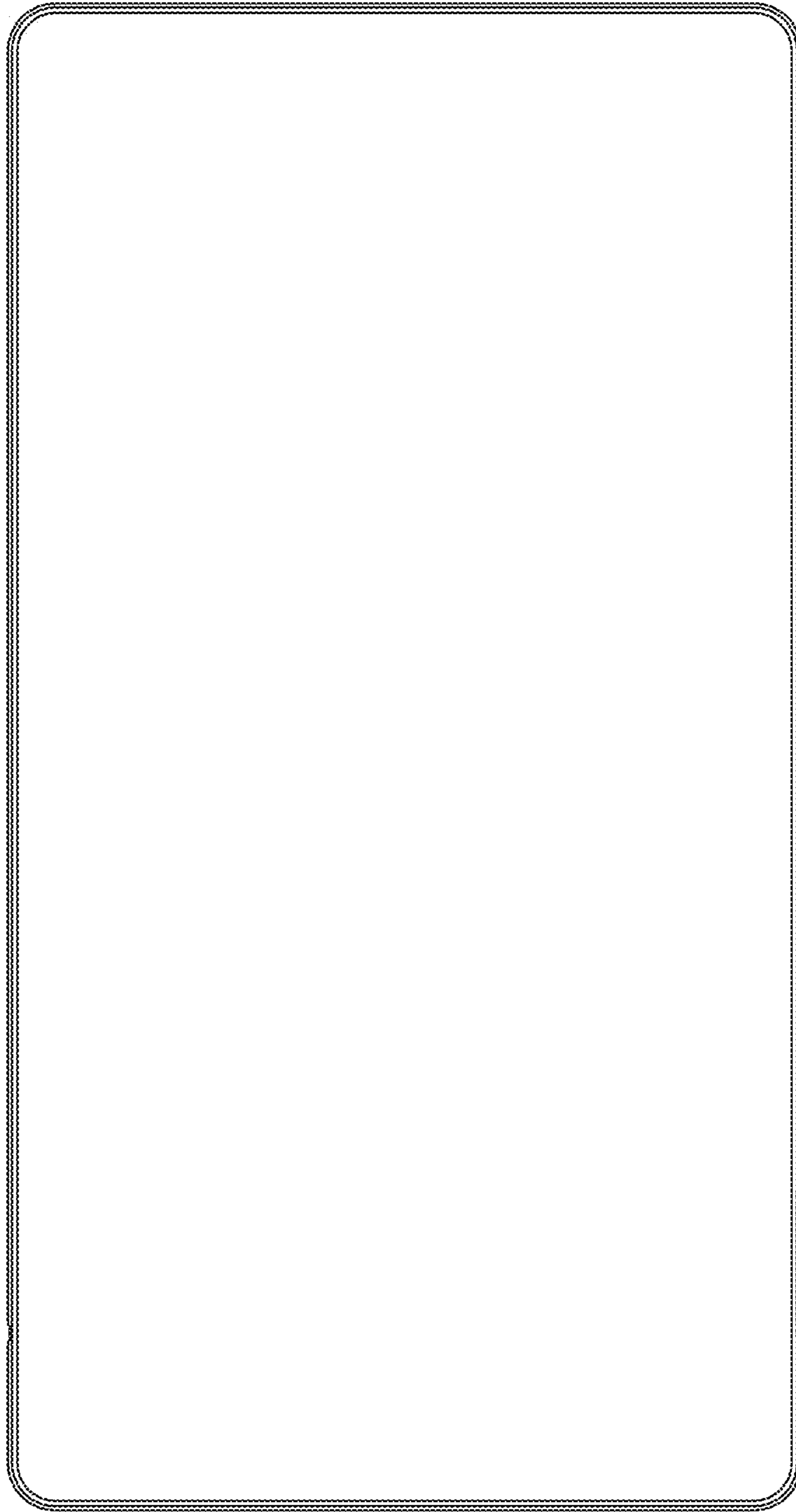
Dave Rees, "Richard Solo Backup Battery for iPhone / iPod Review," dated Jun. 16, 2008, [http://the-gadgeteer.com/2008/06/16/richard\\_solo\\_backup\\_battery\\_for\\_iphone\\_ipod/](http://the-gadgeteer.com/2008/06/16/richard_solo_backup_battery_for_iphone_ipod/).

"Cheap DIY iPhone External Battery," dated Jul. 22, 2008, <http://fastdad.wordpress.com/2008/07/22/cheap-diy-iphone-external-battery/>.

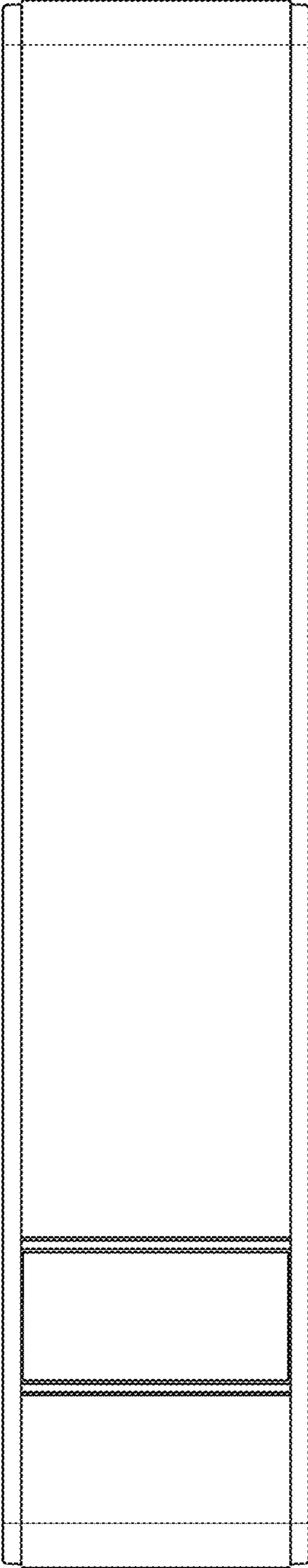
Jeremy Horwitz, "iLuv i603 / i604 Rechargeable Lithium Polymer Batteries with Silicone Skin," dated Jun. 27, 2006, <http://www.ilounge.com/index.php/reviews/entry/iluv-i603-rechargeable-lithium-polymer-battery-with-silicone-skin/>.

Devin Coldewey, "Combination iPhone battery pack and flash from FastMac," dated Nov. 4, 2008, <http://crunchgear.com/2008/11/04/combination-iphone-battery-pack-and-flash-from-fastmac/>.

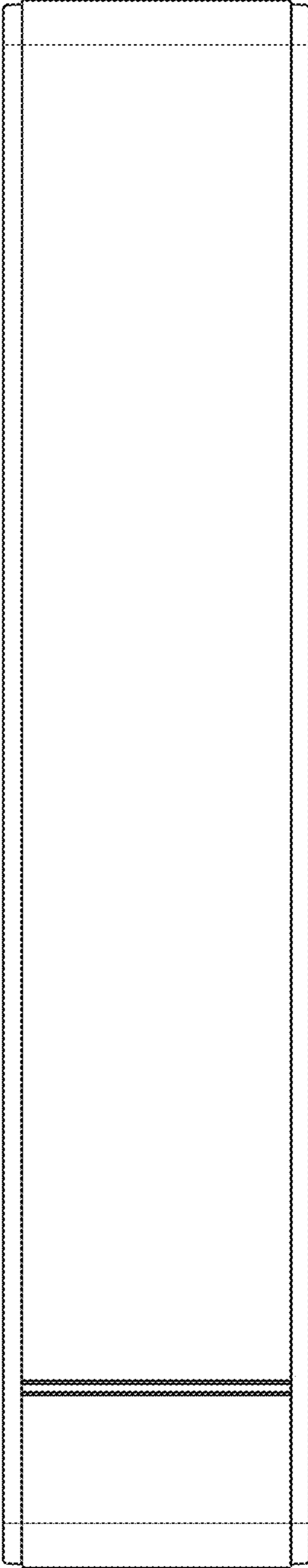
\* cited by examiner



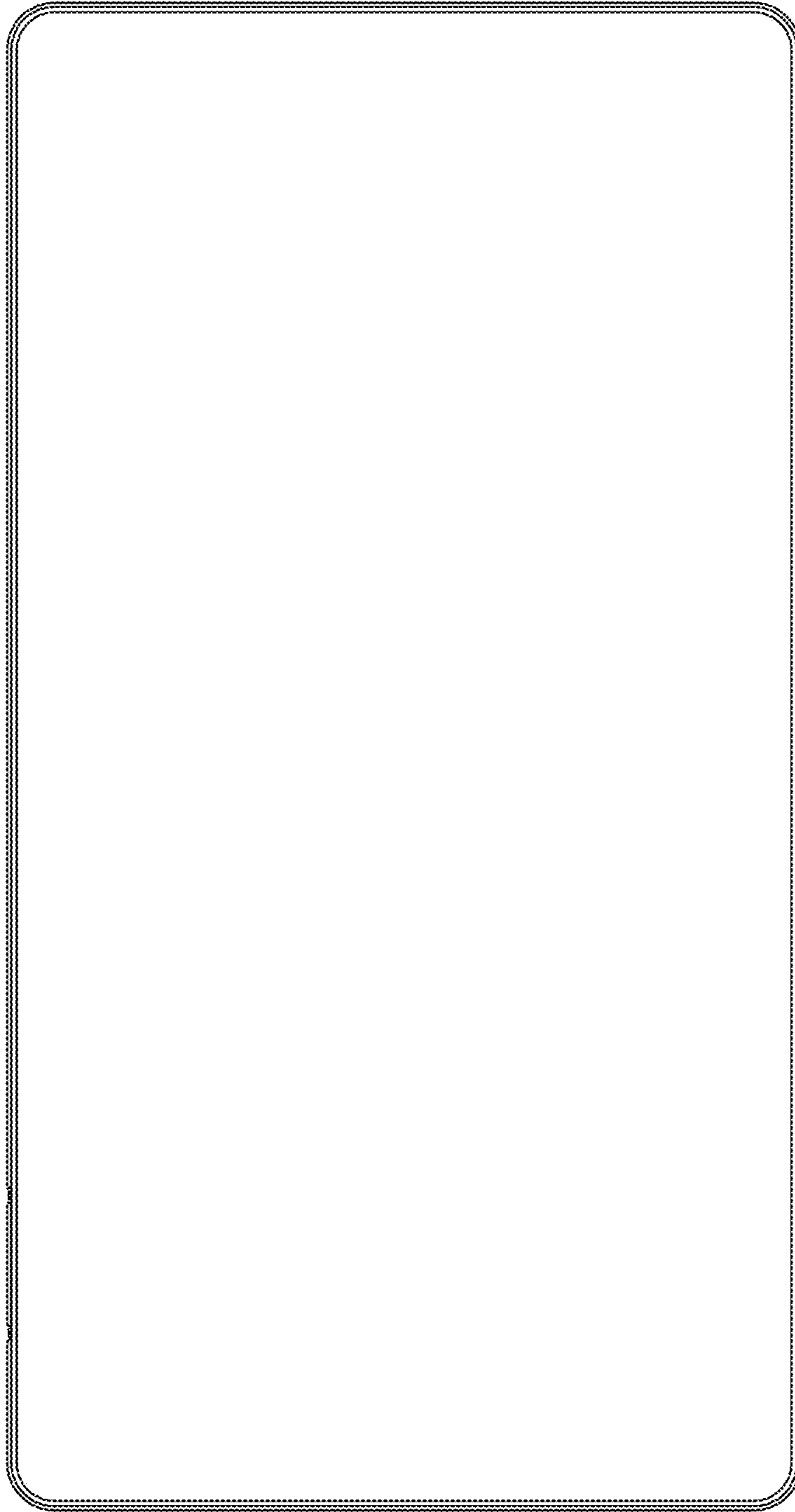
*FIG. 1*



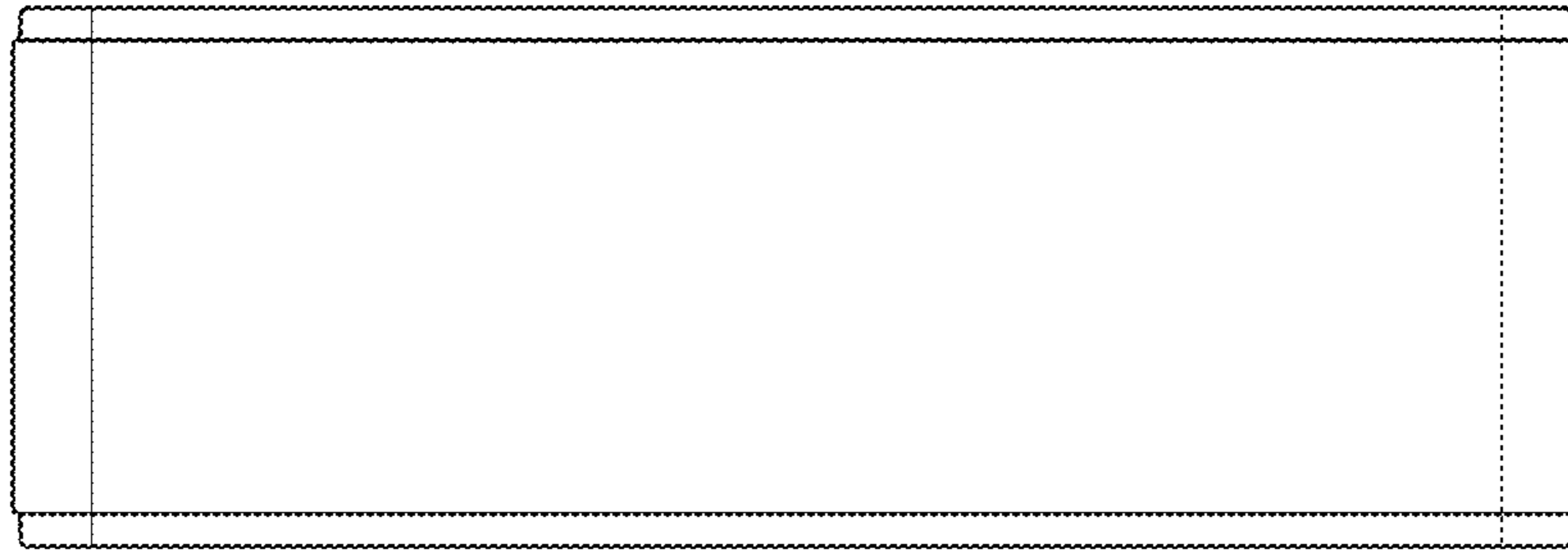
*FIG. 2*



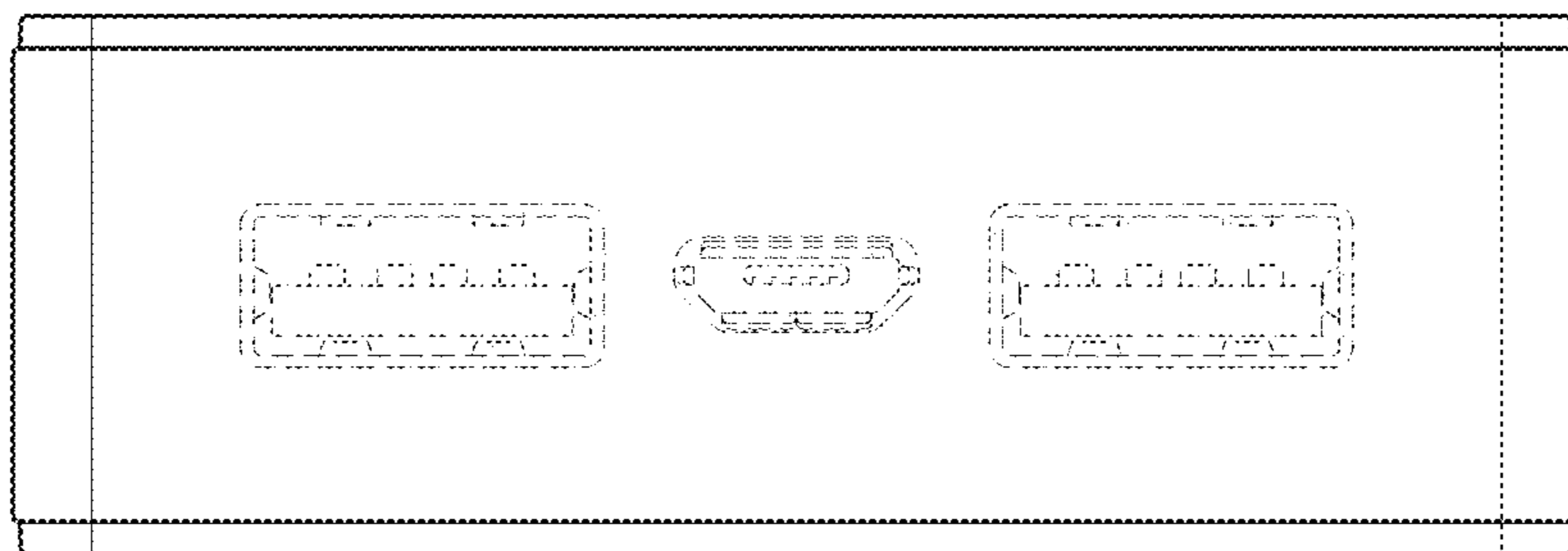
*FIG. 3*



*FIG. 4*



*FIG. 5*



*FIG. 6*