



US00D937835S

(12) **United States Design Patent**  
**Akana et al.**

(10) **Patent No.:** **US D937,835 S**

(45) **Date of Patent:** **\*\* Dec. 7, 2021**

(54) **ADAPTER**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Jody Akana**, San Francisco, CA (US);  
**Bartley K. Andre**, Palo Alto, CA (US);  
**Jeremy Bataillou**, San Francisco, CA (US);  
**Daniel J. Coster**, San Francisco, CA (US);  
**Daniele De Iuliis**, San Francisco, CA (US);  
**M. Evans Hankey**, San Francisco, CA (US);  
**Julian Hoenig**, San Francisco, CA (US);  
**Richard P. Howarth**, San Francisco, CA (US);  
**Jonathan P. Ive**, San Francisco, CA (US);  
**Duncan Robert Kerr**, San Francisco, CA (US);  
**Shin Nishibori**, Kailua, HI (US);  
**Matthew Dean Rohrbach**, San Francisco, CA (US);  
**Peter Russell-Clarke**, San Francisco, CA (US);  
**Christopher J. Stringer**, Woodside, CA (US);  
**Eugene Antony Whang**, San Francisco, CA (US);  
**Rico Zörkendörfer**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/681,383**

(22) Filed: **Feb. 25, 2019**

**Related U.S. Application Data**

(63) Continuation of application No. 29/581,997, filed on Oct. 24, 2016, now Pat. No. Des. 841,652, which is a continuation of application No. 29/557,994, filed on Mar. 14, 2016, now Pat. No. Des. 769,877, and a continuation of application No. 29/557,995, filed on Mar. 14, 2016, now Pat. No. Des. 770,456, said application No. 29/557,994 is a continuation of application No. 29/530,282, filed on Jun. 15, 2015, now Pat. No. Des. 751,560, said application No. 29/557,995 is a continuation of application No.

29/530,282, filed on Jun. 15, 2015, now Pat. No. Des. 751,560, which is a continuation of application No. 29/477,506, filed on Dec. 23, 2013, now Pat. No. Des. 732,035, which is a continuation of application No. 29/456,487, filed on May 31, 2013, now Pat. No. Des. 707,681, which is a continuation of application No. 29/431,556, filed on Sep. 7, 2012, now Pat. No. Des. 684,976.

(51) **LOC (13) CI.** ..... **14-02**

(52) **U.S. CI.**  
USPC ..... **D14/433**

(58) **Field of Classification Search**

USPC .... D14/356, 432-434, 453, 454, 511, 203.8,  
D14/209.1, 238.1, 240, 125; 439/638,  
439/928, 105, 502; 710/303, 304;  
361/679.41, 679.55, 679.56; D13/110,  
D13/133, 146

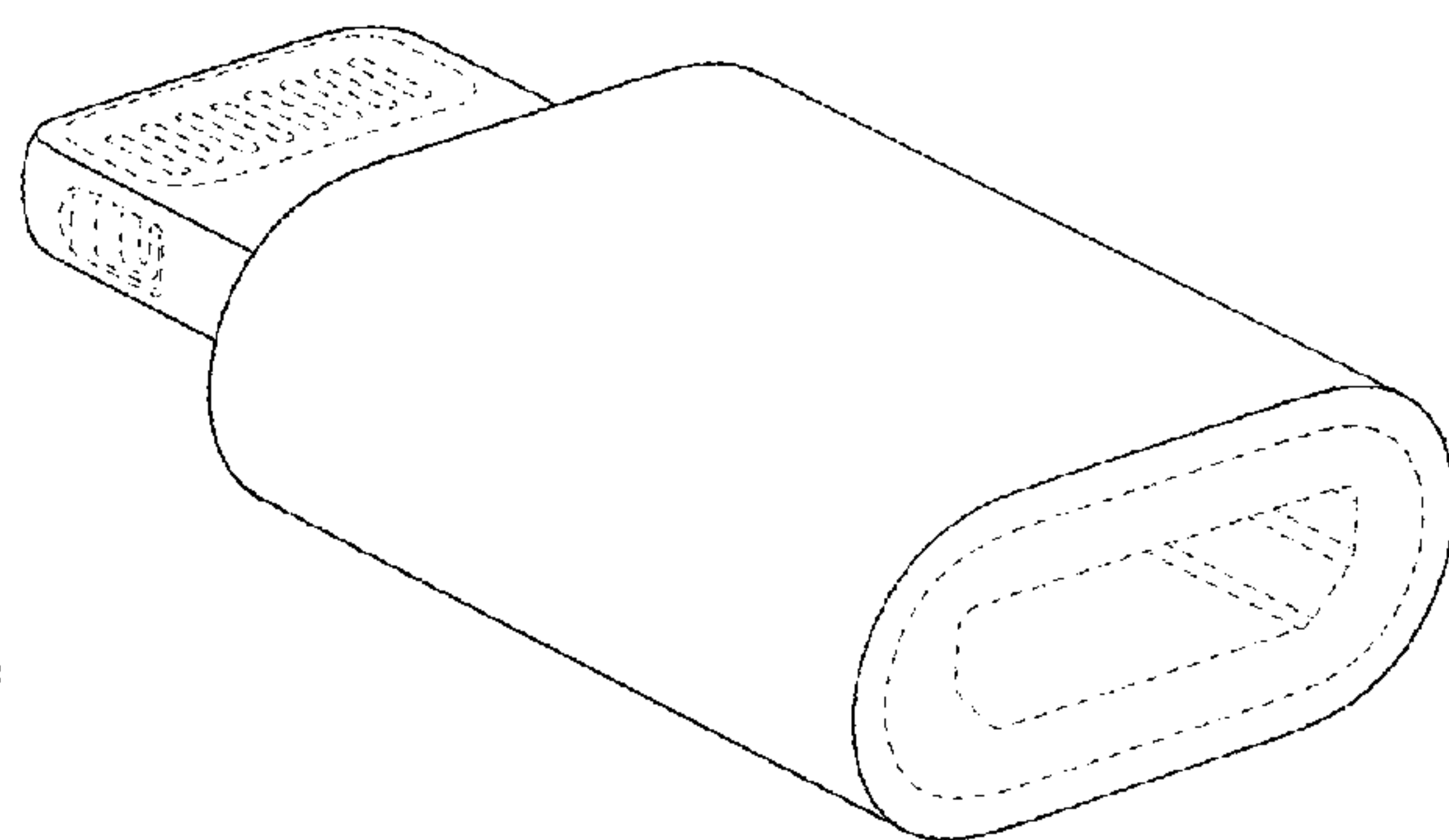
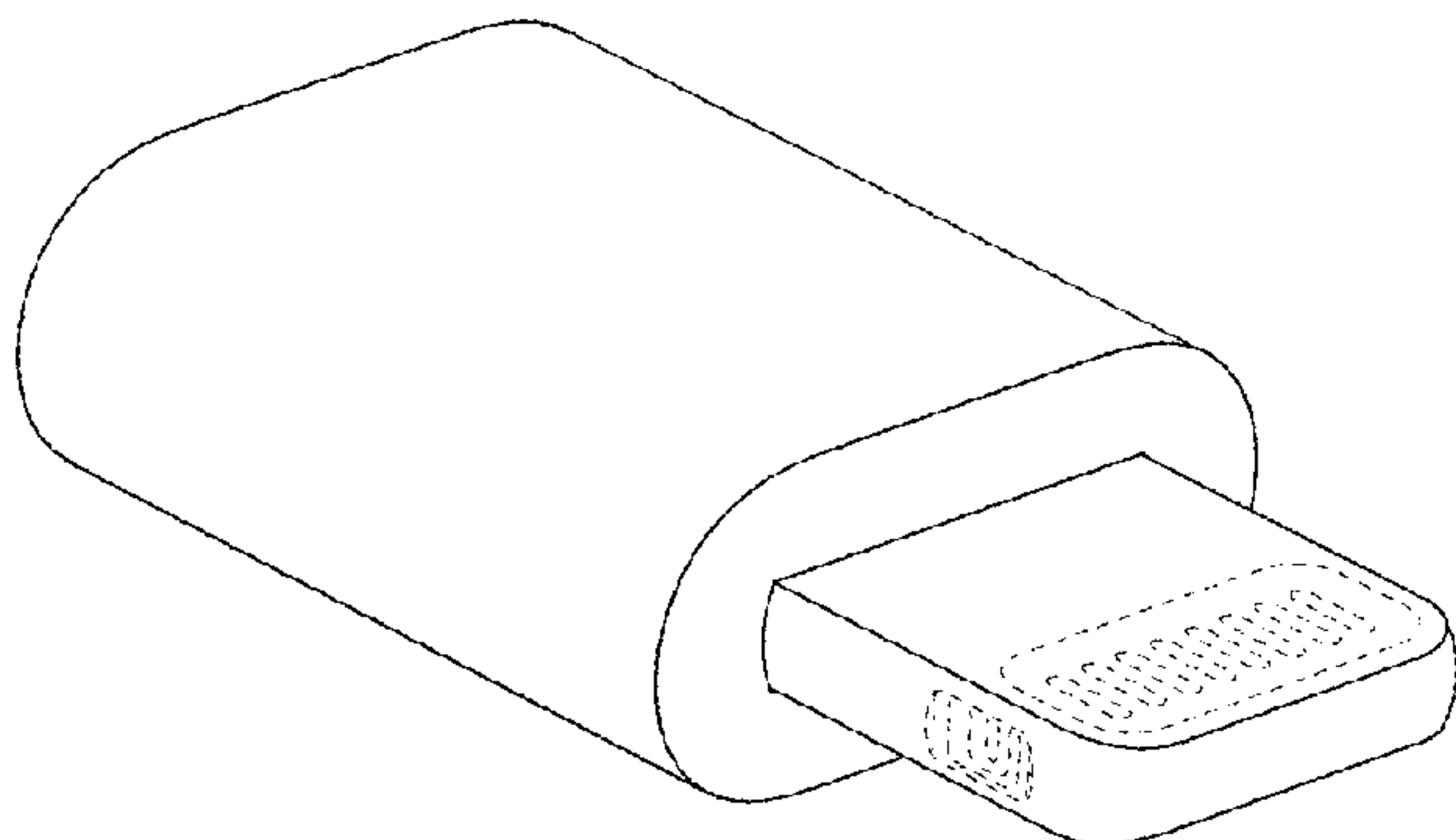
CPC ..... H01R 24/64; H01R 24/62; H01R 12/714;  
H01R 13/506; H01R 13/6658

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D304,028 S	10/1989	Matsuzaki
5,179,501 A	1/1993	Ocken et al.
D336,746 S	6/1993	Tse
D369,157 S	4/1996	Ohmori et al.
5,568,006 A	10/1996	Luff et al.
D399,047 S	10/1998	Yoshida et al.
6,137,710 A	10/2000	Iwasaki et al.
D446,499 S	8/2001	Andre et al.
D452,245 S	12/2001	Wallace et al.
D452,246 S	12/2001	Wallace et al.
D454,110 S	3/2002	Andre et al.
6,483,038 B2	11/2002	Lee et al.
D487,747 S	3/2004	Yu et al.
D490,796 S	6/2004	Allen
D515,545 S	2/2006	Griffin
D522,463 S	6/2006	Novotney et al.
D525,977 S	8/2006	Yao
7,094,089 B2	8/2006	Andre et al.
D531,127 S	10/2006	Zhong et al.
D534,184 S	12/2006	Leija et al.
D534,545 S	1/2007	Leija et al.
D537,036 S	2/2007	Chen
D537,780 S	3/2007	Suckle





# US D937,835 S

D552,099 S	10/2007	Nishizawa et al.	9,011,172 B2	4/2015	Weber et al.	
D552,604 S	10/2007	Andre et al.	9,011,179 B2	4/2015	Siahaan et al.	
D558,145 S	12/2007	Stavoe et al.	9,021,159 B2	4/2015	Fritchman et al.	
7,341,472 B2	3/2008	Chao et al.	D731,434 S	6/2015	Akana et al.	
D565,571 S	4/2008	Trifilio et al.	D731,488 S *	6/2015	Lee .....	D14/433
7,354,312 B2	4/2008	Chuang	D732,035 S	6/2015	Akana et al.	
D569,848 S	5/2008	Suzuki	9,059,531 B2	6/2015	Schmidt et al.	
D574,834 S	8/2008	Chen	9,065,212 B2	6/2015	Golko et al.	
D577,008 S	9/2008	Andre et al.	9,092,233 B2	7/2015	Andrews et al.	
D577,990 S	10/2008	Andre et al.	9,093,803 B2	7/2015	SooHoo et al.	
D578,991 S	10/2008	Donovan et al.	9,099,856 B2	8/2015	Uttermann et al.	
D586,293 S	2/2009	Fujino	9,112,327 B2	8/2015	Sarwar et al.	
D587,209 S	2/2009	Tsai et al.	9,146,888 B2	9/2015	Terlizzi et al.	
D588,545 S	3/2009	Andre et al.	9,160,124 B2	10/2015	Colahan et al.	
D594,418 S	6/2009	Fujino et al.	D742,320 S	11/2015	Akana et al.	
D604,725 S	11/2009	Chen	9,240,700 B2	1/2016	Terlizzi et al.	
D605,650 S	12/2009	Ribeiro	D751,560 S	3/2016	Akana et al.	
D607,886 S	1/2010	Bolotin et al.	D751,991 S *	3/2016	Akana .....	D13/147
D612,809 S	3/2010	Zhao et al.	9,274,578 B2	3/2016	Mullins et al.	
D617,776 S	6/2010	Hightower	9,293,876 B2	3/2016	Terlizzi et al.	
D618,226 S	6/2010	Tong et al.	D769,877 S	10/2016	Akana et al.	
D618,240 S	6/2010	Larmour et al.	9,459,670 B2	10/2016	Rich et al.	
D619,127 S	7/2010	Tong et al.	D770,456 S *	11/2016	Akana .....	D14/433
D621,785 S	8/2010	Nickol	D772,878 S	11/2016	Chiang	
D624,548 S	9/2010	Yamamoto	9,495,307 B2	11/2016	Zadesky et al.	
D631,883 S	2/2011	Maier	D779,492 S *	2/2017	Lin .....	D14/433
D634,326 S	3/2011	Gehrke	D781,785 S	3/2017	Akana et al.	
D636,337 S	4/2011	Smith et al.	D796,514 S	9/2017	Xu	
D637,193 S	5/2011	Andre et al.	D813,820 S *	3/2018	Akana .....	D13/147
D641,023 S	7/2011	Chen et al.	D814,423 S	4/2018	Akana et al.	
D643,040 S	8/2011	Sedio et al.	D841,652 S *	2/2019	Akana .....	D14/433
D655,296 S	3/2012	Andre et al.	D843,948 S *	3/2019	Akana .....	D13/147
D656,147 S	3/2012	Schlossstein	D896,225 S *	9/2020	Akana .....	D14/433
D658,665 S	5/2012	Akana et al.	D928,716 S *	8/2021	Akana .....	D13/147
D659,150 S	5/2012	Andre	2002/0170972 A1	11/2002	Kim	
D665,734 S	8/2012	Fitch et al.	2003/0225954 A1	12/2003	Wu	
D665,754 S	8/2012	Cobbett et al.	2005/0202727 A1	9/2005	Andre et al.	
D672,780 S	12/2012	Chen et al.	2007/0229025 A1	10/2007	Tsai et al.	
D683,703 S	6/2013	Akana et al.	2007/0293079 A1	12/2007	Chao et al.	
D684,538 S	6/2013	Akana et al.	2011/0199729 A1	8/2011	Hsieh	
D684,539 S	6/2013	Akana et al.	2012/0252256 A1	10/2012	Zhu et al.	
D684,976 S	6/2013	Akana et al.	2013/0084760 A1	4/2013	Siahaan et al.	
8,454,388 B2	6/2013	Song	2013/0175326 A1	7/2013	Joi et al.	
8,561,879 B2	10/2013	Jol et al.	2013/0238823 A1	9/2013	Terlizzi et al.	
D693,828 S	11/2013	Akana et al.	2013/0244472 A1	9/2013	Weber et al.	
D694,243 S	11/2013	Akana et al.	2013/0244489 A1	9/2013	Terlizzi et al.	
8,637,165 B2	1/2014	Siahaan et al.	2013/0244491 A1	9/2013	Sarwar et al.	
D699,188 S	2/2014	Akana et al.	2013/0244492 A1	9/2013	Golko et al.	
8,683,090 B2	3/2014	Mullins et al.	2013/0279055 A1	10/2013	Mullins et al.	
D703,145 S	4/2014	Akana et al.	2013/0286522 A1	10/2013	Mullins et al.	
8,708,745 B2	4/2014	Golko et al.	2013/0304942 A1	11/2013	Golembeski et al.	
D705,174 S	5/2014	Akana et al.	2013/0305066 A1	11/2013	Mullins et al.	
D705,175 S	5/2014	Chu	2014/0057479 A1	2/2014	Weber et al.	
D705,176 S	5/2014	Wong	2014/0069709 A1	3/2014	Schmidt et al.	
8,721,356 B2	5/2014	Webb et al.	2014/0073170 A1	3/2014	Golko et al.	
D707,680 S	6/2014	Akana et al.	2014/0073178 A1	3/2014	Webb et al.	
D707,681 S	6/2014	Akana et al.	2014/0073182 A1	3/2014	Ardisana, II et al.	
8,747,155 B2	6/2014	Weber et al.	2014/0073183 A1 *	3/2014	Golko .....	H01R 29/00 439/607.34
8,762,605 B2	6/2014	Terlizzi et al.				
D709,032 S	7/2014	Akana et al.	2014/0073185 A1	3/2014	Siahaan et al.	
8,777,666 B2	7/2014	Golko et al.	2014/0073186 A1	3/2014	Webb	
8,799,527 B2	8/2014	Mullins et al.	2014/0073191 A1	3/2014	Colahan et al.	
8,804,355 B2	8/2014	Uttermann et al.	2014/0073193 A1 *	3/2014	SooHoo .....	G06F 1/1626 439/661
D712,279 S	9/2014	Akana et al.				
D713,350 S	9/2014	Akana et al.	2014/0073201 A1	3/2014	Weber et al.	
D713,351 S	9/2014	Akana et al.	2014/0073206 A1	3/2014	Golko et al.	
D713,352 S	9/2014	Akana et al.	2014/0075061 A1	3/2014	Fritchman et al.	
D713,353 S	9/2014	Akana et al.	2014/0075067 A1	3/2014	Mullins et al.	
D713,354 S	9/2014	Akana et al.	2014/0075169 A1	3/2014	Andrews et al.	
D713,796 S	9/2014	Akana et al.	2014/0075210 A1	3/2014	Rich et al.	
8,845,363 B2	9/2014	Ardisana, II et al.	2014/0329416 A1 *	11/2014	Golko .....	H01R 29/00 439/676
8,882,529 B2	11/2014	Weber et al.				
8,886,849 B2	11/2014	Golembeski et al.				
8,888,510 B2	11/2014	Webb et al.				
8,891,216 B2	11/2014	Mullins et al.				
8,905,793 B2	12/2014	Golko et al.				
8,974,126 B2	3/2015	Sloey et al.				
8,986,029 B2	3/2015	Webb et al.				
9,011,161 B2	4/2015	Weber et al.				

## FOREIGN PATENT DOCUMENTS

CN	D131168 S	10/2009
CN	201130377608.3	5/2012
CN	201220688401.7	7/2012
CN	201320217628.8	10/2013

CN	102269849	B	9/2014
EM	000623848-0001		2/2007
EM	001222905-0018		10/2010
WO	WO 2006/074348	A1	7/2006
WO	WO 2011/150403	A1	12/2011
WO	WO 2011/160138	A2	12/2011
WO	WO 2011/163256	A1	12/2011
WO	WO 2011/163260	A1	12/2011
WO	WO 2012/103383	A2	8/2012
WO	WO 2013/081704	A1	6/2013
WO	WO 2014/040224	A1	3/2014
WO	WO 2014/040231	A1	3/2014
WO	WO 2014/042860	A1	3/2014

OTHER PUBLICATIONS

Sorrel, Charlie, "Apple Launches 30-Pin To USB iPhone Adapter For EU Compliance," *Wired.com*, Oct. 5, 2011, <<https://www.wired.com/2011/10/apple-launches-30-pin-to-usb-iphone-adapter-for-eu-compliance/>>.  
 "Apple iPad Camera Connection Kit," Apple Inc., accessed Dec. 28, 2016, <<http://www.apple.com/au/shop/product/MC531AM/A/apple-ipad-camera-connection-kit?fnode=91>>.

\* cited by examiner

Primary Examiner — Austin Murphy

(74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

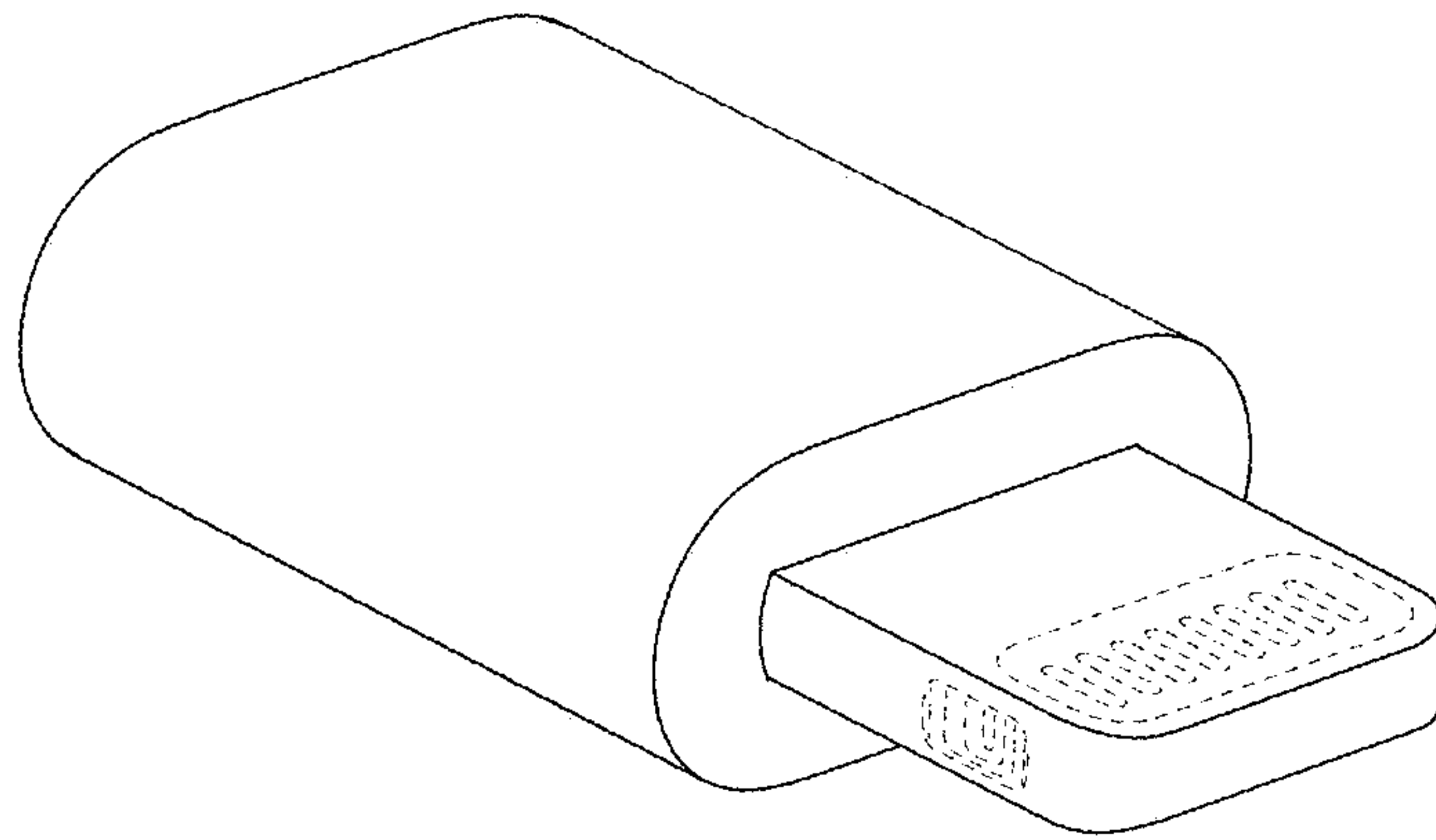
(57) **CLAIM**

The ornamental design for an adapter, as shown and described.

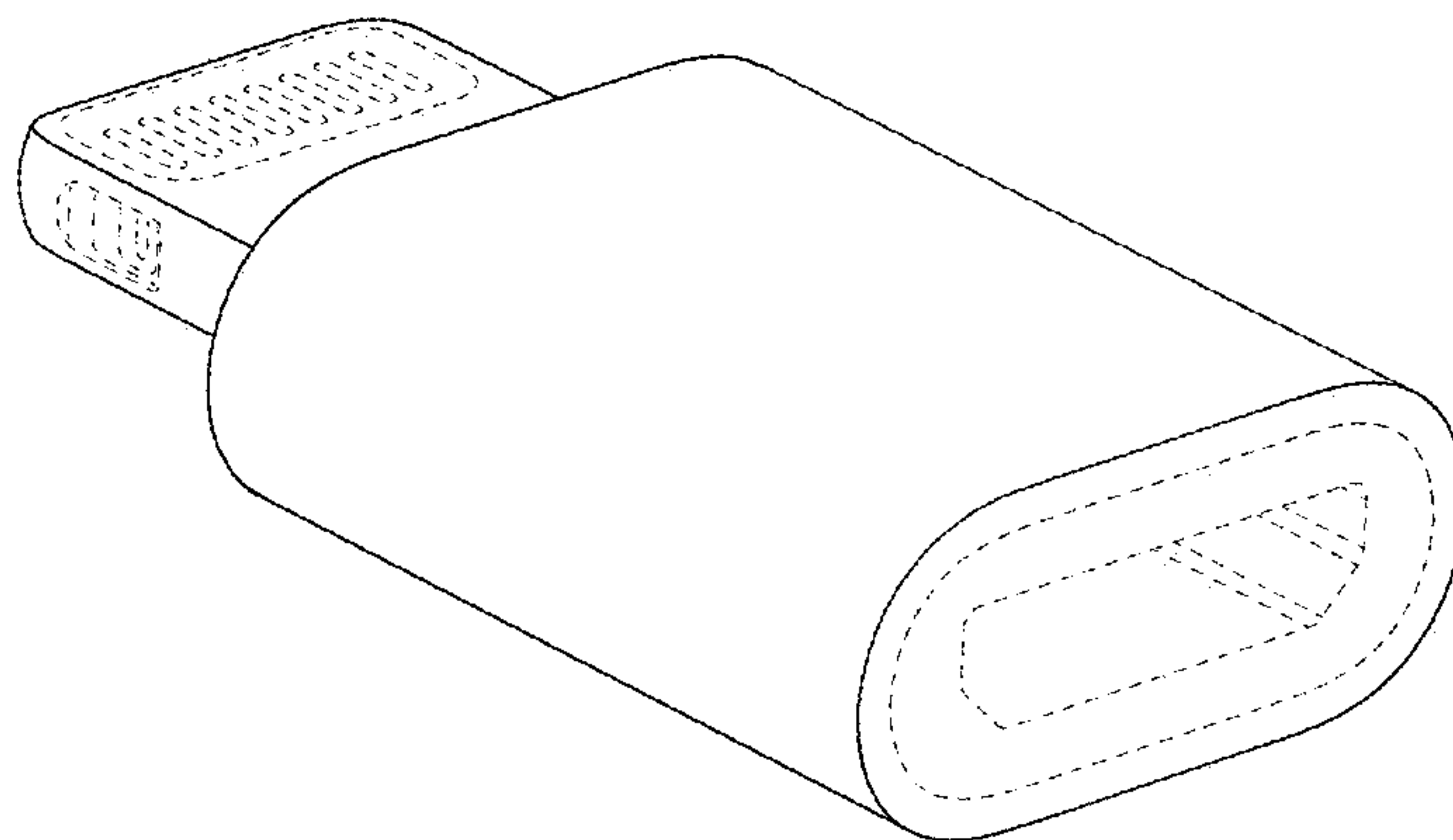
**DESCRIPTION**

FIG. 1 is a top front perspective view of an adapter showing the claimed design;  
 FIG. 2 is a bottom rear perspective view thereof;  
 FIG. 3 is a front view thereof, the rear view being a mirror image thereof;  
 FIG. 4 is a side view thereof, the other side view being a mirror image thereof;  
 FIG. 5 is a top view thereof; and,  
 FIG. 6 is a bottom view thereof.  
 The broken lines in the figures show portions of the adapter that form no part of the claimed design.

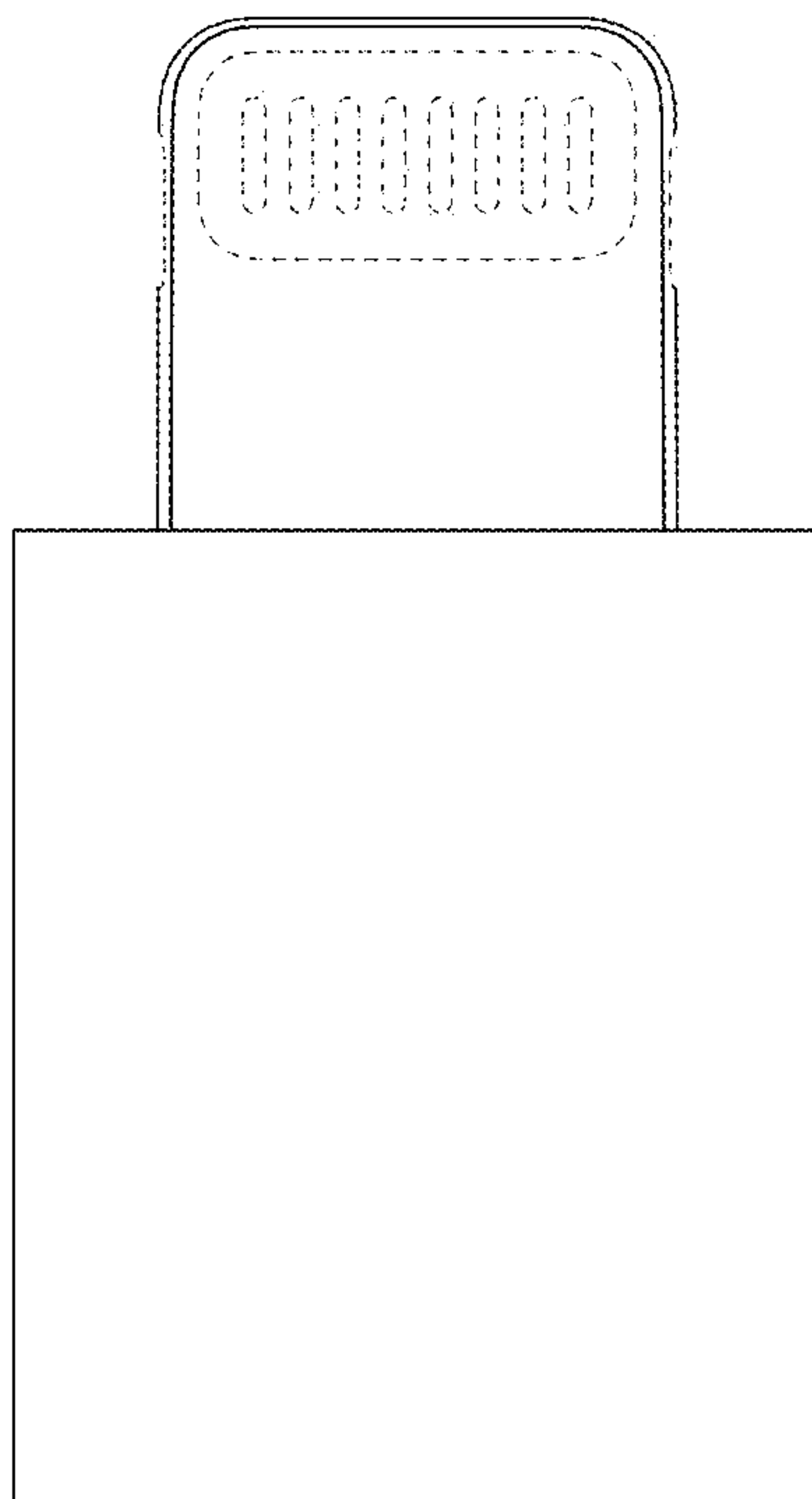
**1 Claim, 4 Drawing Sheets**



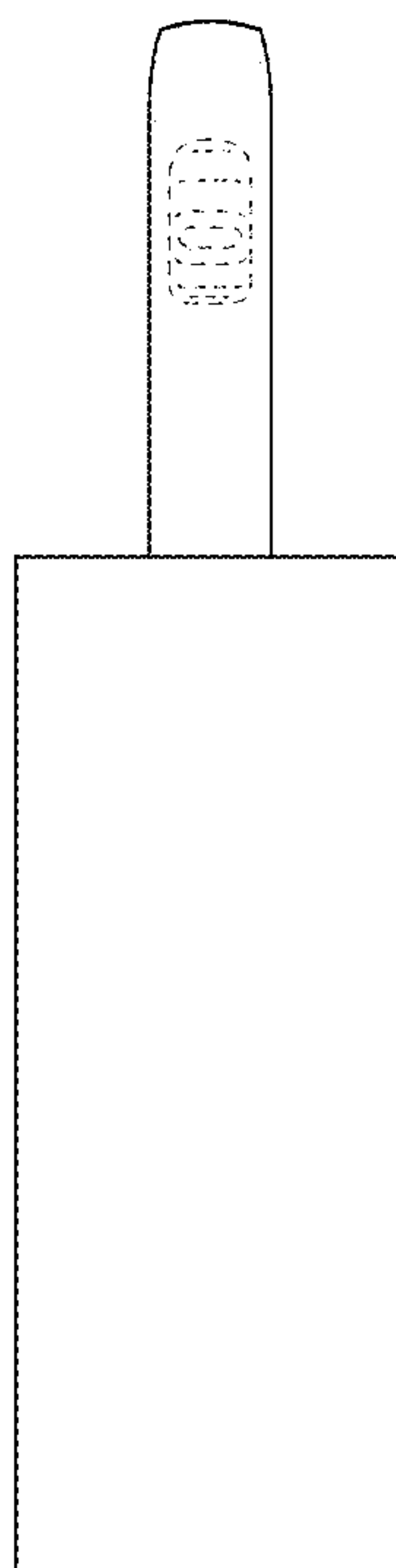
**FIG. 1**



**FIG. 2**

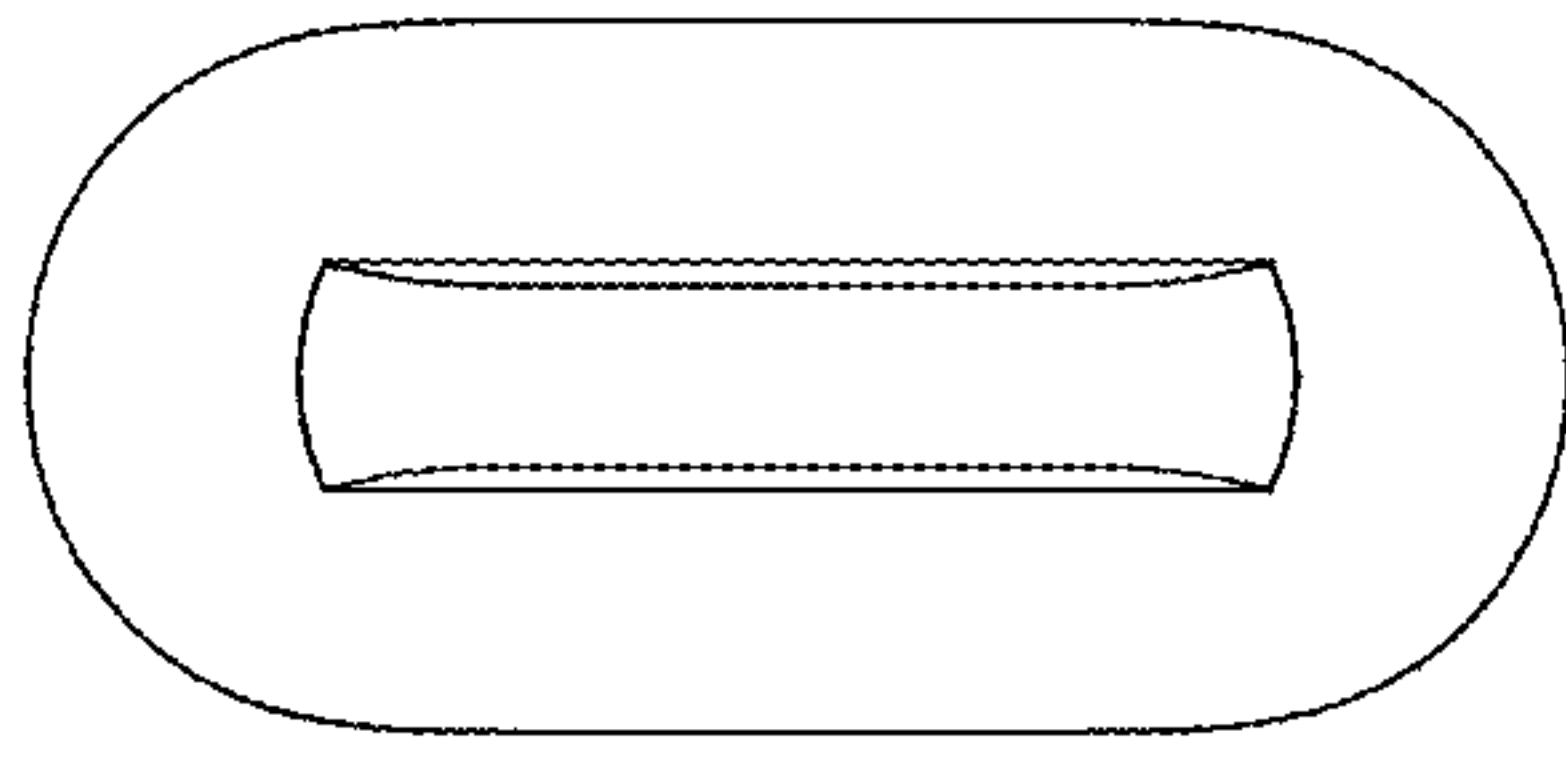


**FIG. 3**

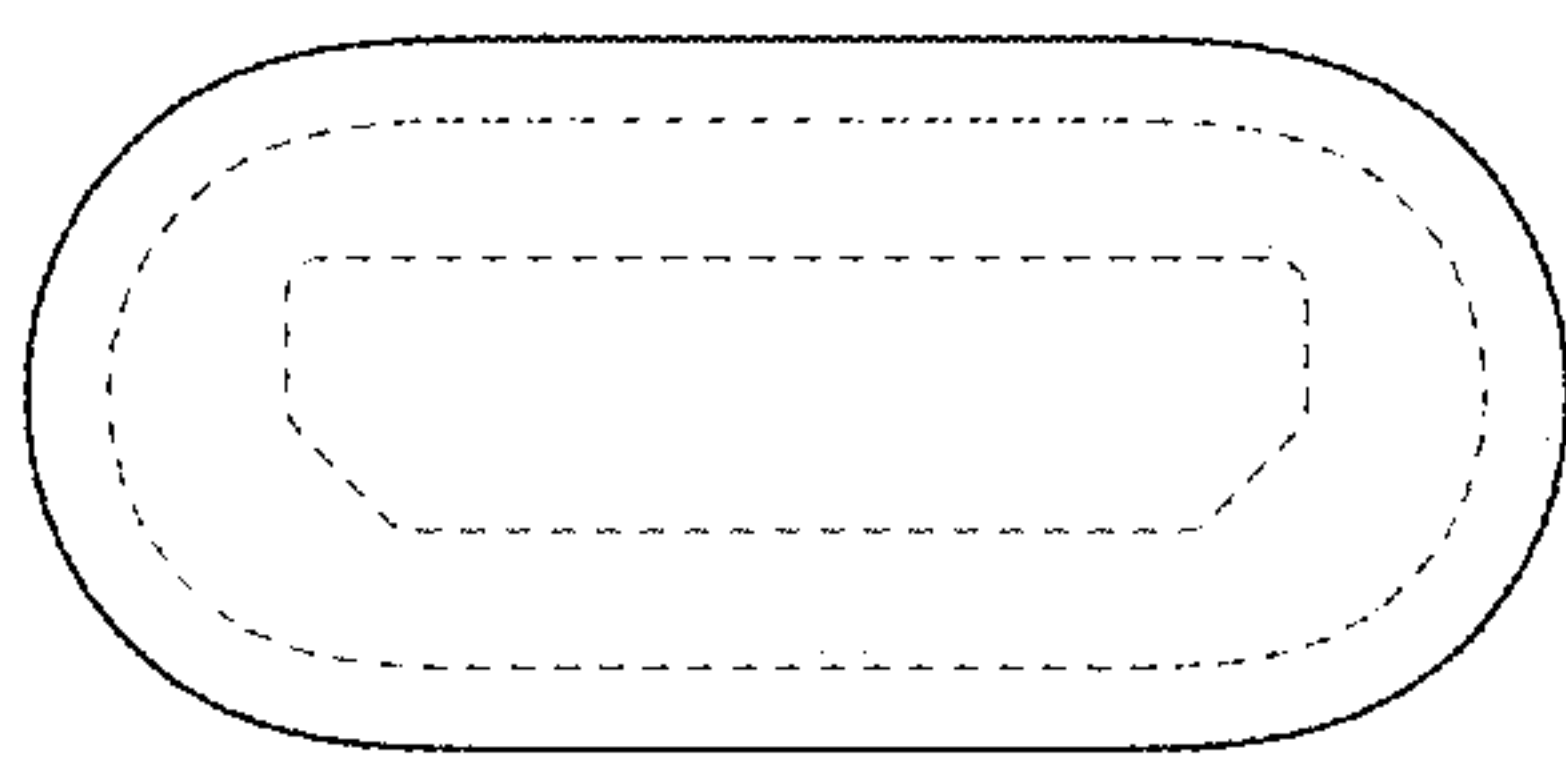


**FIG. 4**





**FIG. 5**



**FIG. 6**