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**Kim et al.**

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(54) **PORTABLE ELECTRONIC DEVICE**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

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D270,065	S	*	8/1983	Ackeret	40/513
D303,111	S		8/1989	Paley	
D359,727	S	*	6/1995	Wilson	D14/336
D393,462	S	*	4/1998	Morimiya	D14/126
D394,959	S	*	6/1998	Kwan	D6/300
D517,406	S	*	3/2006	Connolly	D9/430
D609,233	S	*	2/2010	Wood	D14/341
D616,406	S	*	5/2010	Du	D14/138 AA
D629,779	S	*	12/2010	Ahn	D14/138 AD
D631,454	S	*	1/2011	Cui	D14/138 AA
D643,829	S	*	8/2011	Castano	D14/138 AA
D646,271	S	*	10/2011	Tsou	D14/341
D655,685	S	*	3/2012	Daniel	D14/138 AA
D656,497	S		3/2012	Chiu	
D657,358	S		4/2012	Ferrari et al.	
8,183,669	B2	*	5/2012	Ishibashi	C30B 29/403 257/496

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(21) Appl. No.: **29/504,725**

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filed on Oct. 1, 2014.

(51) **LOC (10) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D14/138 G**

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USPC ..... D14/138 G, 138 AD, 138 R, 496, 203.1,  
D14/203.3, 203.5, 203.7, 248, 218, 439,  
D14/250, 341-347, 138 AA, 315, 336,  
D14/338-340; D21/517, 329; D13/168;  
455/575.1, 556.2, 575.3, 575.4, 566;  
379/433.01, 433.04; 361/679.3, 679.56;  
D6/300-303, 308-314

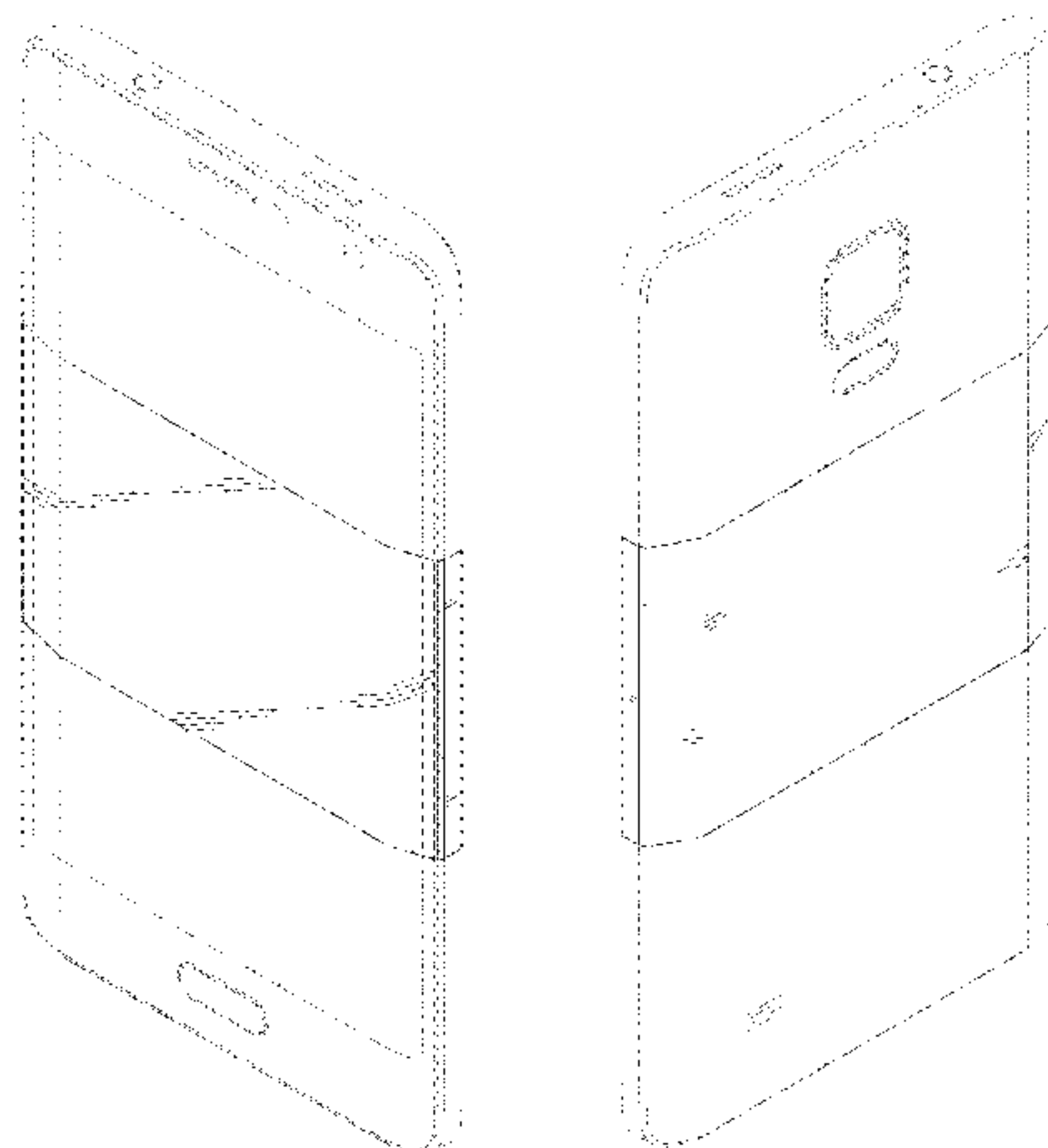
CPC .. G06F 1/1626; G06F 1/1652; H04M 1/0266;  
H04M 1/0268; H04M 1/02; H04M  
2250/22; H04M 1/72527; H04M 1/0235;  
H04M 1/0237; H04M 1/0239; H04M  
1/03; H04M 1/23; H04M 1/0202-1/035;  
G09F 9/301; H01L 2251/5338

See application file for complete search history.

D678,270	S		3/2013	Song et al.	
D706,738	S		6/2014	Kim et al.	
D726,673	S	*	4/2015	Lee	D14/138 G
D732,016	S	*	6/2015	Park	D14/341
D736,172	S	*	8/2015	Daniel	D14/138 G
D744,468	S	*	12/2015	Lee	D14/248
D744,973	S	*	12/2015	Lee	D14/138 G
D744,992	S	*	12/2015	Lee	D14/248
D749,535	S	*	2/2016	Joung	D14/138 G
2010/0048194	A1	*	2/2010	Park	G06F 1/1626 455/418
2014/0267091	A1	*	9/2014	Kim	G06F 1/1652 345/173
2016/0062391	A1	*	3/2016	Choi	G06F 1/1601 361/679.03
2016/0066412	A1	*	3/2016	Choi	G06F 1/1626 361/704
2016/0233037	A1	*	8/2016	Lee	H01H 13/705
2016/0234361	A1	*	8/2016	Baek	H04M 1/0262
2016/0234362	A1	*	8/2016	Moon	H04M 1/0268

**FOREIGN PATENT DOCUMENTS**

CN	3543532	S	7/2006	
CN	301090576	S	12/2009	
CN	301328952	S	8/2010	
CN	301397797	S	12/2010	
CN	301552949	S	5/2011	
CN	301633578	S	8/2011	
CN	301720627	S	11/2011	
CN	302190209	S	11/2012	





# US D779,450 S

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CN	302219811	S	12/2012
CN	302254377	S	12/2012
CN	302341226	S	3/2013
CN	302483721	S	6/2013
CN	302680760	S	12/2013
EP	000800750-0001		10/2007
EP	001053060-0001		10/2009
EP	001169692-0001		10/2009
EP	000974449-0032		1/2011
EP	001935800-0014		11/2011
EP	002236091-0001		6/2013
EP	002236091-0002		6/2013
EP	002233437-0001		7/2013
EP	002233437-0002		7/2013
EP	002233437-0009		7/2013
EP	002234666-0001		7/2013
EP	002234666-0003		7/2013
EP	002255430-0001		10/2013
JP	D1170795	S	4/2003
JP	D1247848	S	8/2005
JP	D1260808	S	1/2006
JP	D1322619	S	2/2008
JP	D1381654	S	3/2010
JP	D1382708	S	3/2010
JP	D1336377	S	7/2011
JP	D1448200	S	8/2012
JP	D1455302	S	11/2012
JP	D1456537	S	12/2012
JP	D1469501	S	5/2013
JP	D1471843	S	6/2013
JP	D1472408	S	6/2013
JP	D1472870	S	6/2013
KR	30-2006-0008340		3/2007
KR	30-2008-0050046		12/2009
KR	30-2009-0007557		2/2010
KR	30-2009-0001361		4/2010
KR	30-2009-0025463		7/2010
KR	30-2009-0026909		8/2010
KR	30-2009-0027640		8/2010
KR	30-2009-0049005		11/2010
KR	30-2009-0035093		1/2011
KR	30-2009-0057676		1/2011
KR	30-2010-0000080		1/2011
KR	30-2009-0057692		3/2011
KR	30-2010-0006998		6/2011
KR	30-2010-0005624		10/2011
KR	30-2010-0012577		11/2011
KR	30-2010-0039332		12/2011
KR	30-2011-0031636		8/2012
KR	30-2012-0026103		2/2013
KR	30-2012-0009747		5/2013
KR	30-2012-0025064		6/2013
KR	30-2012-0055682		6/2013
KR	30-2013-0030879	*	6/2013
KR	30-2013-0030914	*	6/2013
KR	30-2012-0000907		7/2013
KR	30-2012-0000909		7/2013
KR	30-2012-0000933		7/2013
KR	30-2012-0000937		7/2013
KR	30-2012-0000951		7/2013
KR	30-2013-0008155		7/2013
KR	30-2013-0008369		7/2013
KR	30-2013-0008371		7/2013
KR	30-2013-0008375		7/2013
KR	30-2012-0051931		10/2013
KR	30-2012-0051936		10/2013
KR	30-2012-0053714		11/2013
KR	30-2012-0053718		11/2013
KR	30-2012-0053719		11/2013
KR	30-2013-0005876		11/2013
KR	30-2012-0052895		12/2013
KR	30-2012-0054649		12/2013
KR	30-2012-0053715		1/2014
KR	30-2012-0053722		1/2014
KR	30-2013-0000105		1/2014
KR	30-2013-0007758		1/2014
KR	30-2013-0035224		1/2014
KR	30-2013-0018699		3/2014
KR	30-2012-0053723		4/2014

KR	30-2013-0000106	4/2014
KR	30-2013-0000107	4/2014
KR	30-2013-0000108	4/2014
KR	30-2013-0037240	4/2014
KR	30-2013-0035223	6/2014
KR	30-2011-0035681	8/2014

## OTHER PUBLICATIONS

Nokia Facet (via Techcrank), available Nov. 8, 2009, [online], [site visited Aug. 17, 2016]. Available from internet, <URL: <http://techcrank.com/mobile-phones/concept-phones/nokia-facet-with-touchscreen-knot-design/>>.\*

“Amazon Kindle Fire HDX vs. Google Nexus 7: Which Tablet is Better?” (via Laptop Mag), available Oct. 11, 2013, [online], [site visited Aug. 17, 2016]. Available from internet, <URL: <http://www.laptopmag.com/articles/amazon-kindle-fire-hdx-vs-google-nexus-7/>>.\*

Samsung Note Edge (via phoneArena.com), available Sep. 3, 2014, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: [http://www.phonearena.com/news/Samsung-Galaxy-Note-4-and-Note-Edge-announced-by-AT-T-Verizon-Sprint-and-T-Mobile\\_id60167/](http://www.phonearena.com/news/Samsung-Galaxy-Note-4-and-Note-Edge-announced-by-AT-T-Verizon-Sprint-and-T-Mobile_id60167/)>.\*

“Meet Samsung’s Galaxy S6 and Galaxy S6 edge” (via engadget), available Mar. 1, 2015, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: <https://www.engadget.com/2015/03/01/meet-samsungs-galaxy-s-6-and-galaxy-s-6-edge/>>.\*

Samsung Galaxy S7/S7 Edge-Official Announcement (YouTube), available Feb. 21, 2016, [online], [site visited Aug. 11, 2016]. Video available from internet, <URL: <https://www.youtube.com/watch?v=0AxumrA0S80>>.\*

“Samsung will announce the Galaxy Note 7 on Aug. 2” (via the Verge), available Jul. 12, 2016, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: <http://www.theverge.com/circuitbreaker/2016/7/12/12158552/samsung-galaxy-note-7-event-august-2nd/>>.\*

LG Display at CES 2015 (YouTube), available Jan. 7, 2015, [online], [site visited Aug. 11, 2016]. Video available from internet, <URL: <https://www.youtube.com/watch?v=kJmAPNf9a8k>>.\*

“Samsung curved screen phone is coming in October.” (via Pocket-lint), available Sep. 25, 2013, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: <http://www.pocket-lint.com/news/123919-samsung-curved-screen-phone-is-coming-in-october/>>.\*

“Samsung to make curved smartphone” (via CNN), available Sep. 25, 2013, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: <http://www.cnn.com/2013/09/25/tech/mobile/samsung-curved-smartphone/>>.\*

“Samsung’s next big bet: Smartphone with a curved screen” (via rediff), available Nov. 14, 2014, [online], [site visited Aug. 11, 2016]. Available from internet, <URL: <http://www.rediff.com/money/report/pix-tech-samsungs-next-big-bet-smartphone-with-a-curved-screen/20141114.htm>>.\*

Samsung Galaxy S7 edge renders (via phoneArena.com), available Oct. 15, 2015, [online], [site visited Aug. 17, 2016]. Available from internet, <URL: [http://www.phonearena.com/news/Slick-Galaxy-S7-edge-renders-build-on-top-of-existing-Samsung-patent-for-a-trapezoid-phone-design\\_id74744/](http://www.phonearena.com/news/Slick-Galaxy-S7-edge-renders-build-on-top-of-existing-Samsung-patent-for-a-trapezoid-phone-design_id74744/)>.\*

Bangera, Abhijit. “Wrap-Around BlackBerry Smartphone—A Concept Phone”. [2012] www.geektech.in. Feb 9, 2012. <<http://www.geektech.in/wrap-around-blackberry-smartphone-a-concept-phone/>>.\*

Seth, Radhika. “Sony Pocket Tablet Concept by Patrick Eriksson”. [2012] www.yankodesign.com. Aug. 16, 2012. <<http://www.yankodesign.com/2012/08/16/entering-the-genre-of-pocket-tablets/>>.\*

“Flexible Display Concept”. [2013] www.gallery.cetizen.com. Feb. 3, 2013. <<http://gallery.cetizen.com/bbs.php?id=gallery&category=0401&q=view&uid=175276>>.\*

Smoyu. “iPhone 6 Concept”. [2013] www.cdida.org Aug. 8, 2013. <<http://www.cdida.org/technology/20138/20138853.html>>.\*



Grover, Tushar. "Blackberry Wraparound Display Phone". [2012] [www.optimisedtech.com](http://www.optimisedtech.com/2012/blackberry-phone-with-wraparound.html) Apr. 6, 2012. <<http://www.optimisedtech.com/2012/blackberry-phone-with-wraparound.html>>.

"Flexible Display iPhone Mockup". [2013] [blog.daum.net](http://blog.daum.net/mobileinnovation/228) May 20, 2013 <<http://blog.daum.net/mobileinnovation/228>>.

Ho, Kim Kyung. "Pandora Portable Pouch-Type Flexible Display Note Concept". [2013] [www.chucksidea.com](http://www.chucksidea.com) Apr. 28, 2013 <<http://www.chucksidea.com/?p=2377>>.

P., Daniel. "Samsung Flexible Display Patents Include Pull-Out and Rollable Concept Units". [2012] [www.phonearena.com](http://www.phonearena.com/news/Samsung-flexible-display-patents-include-pull-out-and-rollable-concept-units_id27765) Mar. 7, 2012 <[http://www.phonearena.com/news/Samsung-flexible-display-patents-include-pull-out-and-rollable-concept-units\\_id27765](http://www.phonearena.com/news/Samsung-flexible-display-patents-include-pull-out-and-rollable-concept-units_id27765)>.

Samsung 2013.1.11 dated Jan. 11, 2013, accessed Sep. 22, 2014.

Thrystan, "Samsung Galaxy Youm Flexible Display Phone Gets Rendered, Spec'ed" dated May 23, 2013, accessed Sep. 19, 2014.

"Samsung Flexible Prototype". [2013] [www.avenuel.tistory.com](http://www.avenuel.tistory.com) Jan. 10, 2013. <<http://www.avenuel.tistory.com/1668>>.

Thrystan. "Wrap Around Screen Makes a Concept Hip". [2008] [www.concept-phones.com](http://www.concept-phones.com/cool-concepts/wrap-around-screen-makes-a-concept-hip/) Jul. 8, 2008 <<http://www.concept-phones.com/cool-concepts/wrap-around-screen-makes-a-concept-hip/>>.

Hashslush Team. "LIMBO Smartphone Transforms into a Smartwatch". [2013] [www.hashslush.com](http://www.hashslush.com) Jul. 16, 2013 <<http://www.hashslush.com/limbo-smartphone-transforms-into-a-smartwatch/>>.

Buaniam, Than. "Galaxy Note 4 YOUM Display". [2014] [www.oopsmobile.net](http://www.oopsmobile.net/ama-zon-smartphone/22) Apr. 17, 2014 <<http://www.oopsmobile.net/ama-zon-smartphone/22>>.

Rijal, Samsur. "iPhone 6 Concept Design". [2013] [www.intellectit.blogspot.kr](http://www.intellectit.blogspot.kr/2013/04/iphone-6-concept-design.html) Apr. 20, 2013. <<http://www.intellectit.blogspot.kr/2013/04/iphone-6-concept-design.html>>.

"Nokia Lumia 999". [2013] [www.ittrent.am](http://www.ittrent.am) Jan. 17, 2013 <<http://www.ittrend.am/ru/2013/01/17/nokia-lumia-999-%D0%BA%D0%BE%D0%BD%D1%86%D0%B5%D0%BF%D1%82-%D1%87%D0%B5%D1%80%E2%80%A6>>.

Briden, Paul, "Samsung Flexible OLED Display Prototype Phones Showcased" dated Jan. 10, 2013, accessed Sep. 19, 2014.

Prasad. "Samsung Showcases Flexible OLED Displays". [2013] [www.blog.gsmarena.com](http://www.blog.gsmarena.com/samsung-showcases-flexible-oled-displays/) Jan. 10, 2013 <<http://www.blog.gsmarena.com/samsung-showcases-flexible-oled-displays/>>.

Kellex, "Samsung Shows Off 'Youm' Flexible Display on Prototype Phone at CES" dated Jan. 9, 2013, accessed Sep. 19, 2014.

Richardson, Valerie, "Samsung's Flexible Display Smartphone Launching This Week as the Galaxy Round" dated Oct. 7, 2013, accessed Sep. 19, 2014.

"Vans Concept". [2012] [www.vansfans.cn](http://www.vansfans.cn/weiboshidaishouji/) Jan. 27, 2012 <<http://www.vansfans.cn/weiboshidaishouji/>>.

Warwick, Stephen. "iPhone 6 Concept Surfaces Based on Wrap-around Display Patent". [2013] [www.todaysiphone.com](http://www.todaysiphone.com/2013/04/iphone-6-concept-surfaces-based-on-wraparound-display-patent/) Apr. 19, 2013. <<http://www.todaysiphone.com/2013/04/iphone-6-concept-surfaces-based-on-wraparound-display-patent/>>.

Wordlesstech team. "LG Triptych Concept Tablet-Phone". [2011] [www.wordlesstech.com](http://www.wordlesstech.com/2011/02/12/lg-triptych-concept-tablet-phone/) Feb. 12, 2011 <<http://www.wordlesstech.com/2011/02/12/lg-triptych-concept-tablet-phone/>>.

Loveridge, Sam. "Apple Patent Reveals Flexible Wrap-Around Display for Future iPhone, Unlikely for iPhone 6". [2013] [www.trustedreviews.com](http://www.trustedreviews.com) Mar. 28, 2013. <<http://www.trustedreviews.com/news/apple-patent-reveals-flexible-wrap-around-display-for-future-iphone-unlikely-for-iphone-6>>.

Malik, Adnan. "Apple iPhone: Flexible Display Screen Phone is Coming!". [2013] [www.itechwhiz.com](http://www.itechwhiz.com/2013/05/apple-iphone-flexible-screen-display-releasedate.html) May 2013 <<http://www.itechwhiz.com/2013/05/apple-iphone-flexible-screen-display-releasedate.html>>.

Darell, Richard. "Apple Patents Flexible Wraparound Display Smartphone". [2013] [www.bitrebels.com](http://www.bitrebels.com/technology/apple-flexible-smartphone/) <<http://www.bitrebels.com/technology/apple-flexible-smartphone/>>.

"Concept Floater: Hybrid Smart Phone and E-Books" dated May 10, 2012, accessed Sep. 22, 2014.

Arghire, Ionut. "HTC 1 Phone Concept on Display". [2010] [www.news.softpedia.com](http://www.news.softpedia.com/news/HTC-1-Phone-Concept-on-Display-147276.shtml) Jul. 13, 2010 <<http://www.news.softpedia.com/news/HTC-1-Phone-Concept-on-Display-147276.shtml>>.

"Guards iPhone 6 Concept Photo: Tall on Three Sides Around the Screen." [2014] <<http://www.chinaz.com/mobile/2014/0227/341020.shtml#g341020=10>>.

U.S. Appl. No. 29/503,971, filed Oct. 1, 2014, Kim et al.

U.S. Appl. No. 29/503,973, filed Oct. 1, 2014, Kim et al.

U.S. Appl. No. 29/503,978, filed Oct. 1, 2014, Kim et al.

U.S. Appl. No. 29/503,968, filed Oct. 1, 2014, Kim et al.

U.S. Appl. No. 29/503,975, filed Oct. 1, 2014, Kim et al.

U.S. Appl. No. 29/504,020, filed Oct. 1, 2014, Kim et al.

\* cited by examiner

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*Assistant Examiner* — Teddy Falloway  
 (74) *Attorney, Agent, or Firm* — NSIP Law

## (57) CLAIM

We claim the ornamental design for a portable electronic device, as shown and described.

## DESCRIPTION

FIG. 1 is a front perspective view of a portable electronic device showing our new design;  
 FIG. 2 is a front view thereof;  
 FIG. 3 is a rear view thereof;  
 FIG. 4 is a left-side view thereof;  
 FIG. 5 is a right-side view thereof;  
 FIG. 6 is a top view thereof;  
 FIG. 7 is a bottom view thereof; and,  
 FIG. 8 is a rear perspective view thereof.

The broken lines in the figures show portions of the portable electronic device which form no part of the claimed design. The dot-dash broken lines in the figures represent an unclaimed boundary line and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**

FIG. 1

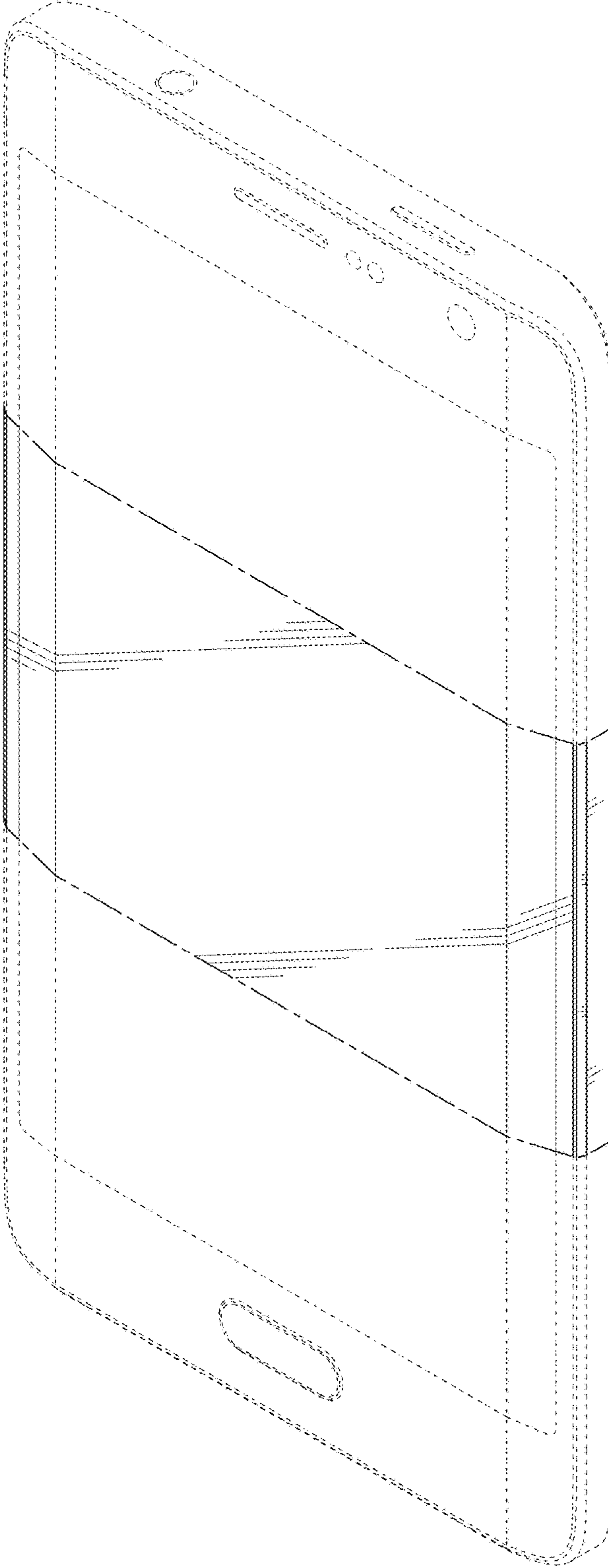


FIG. 2

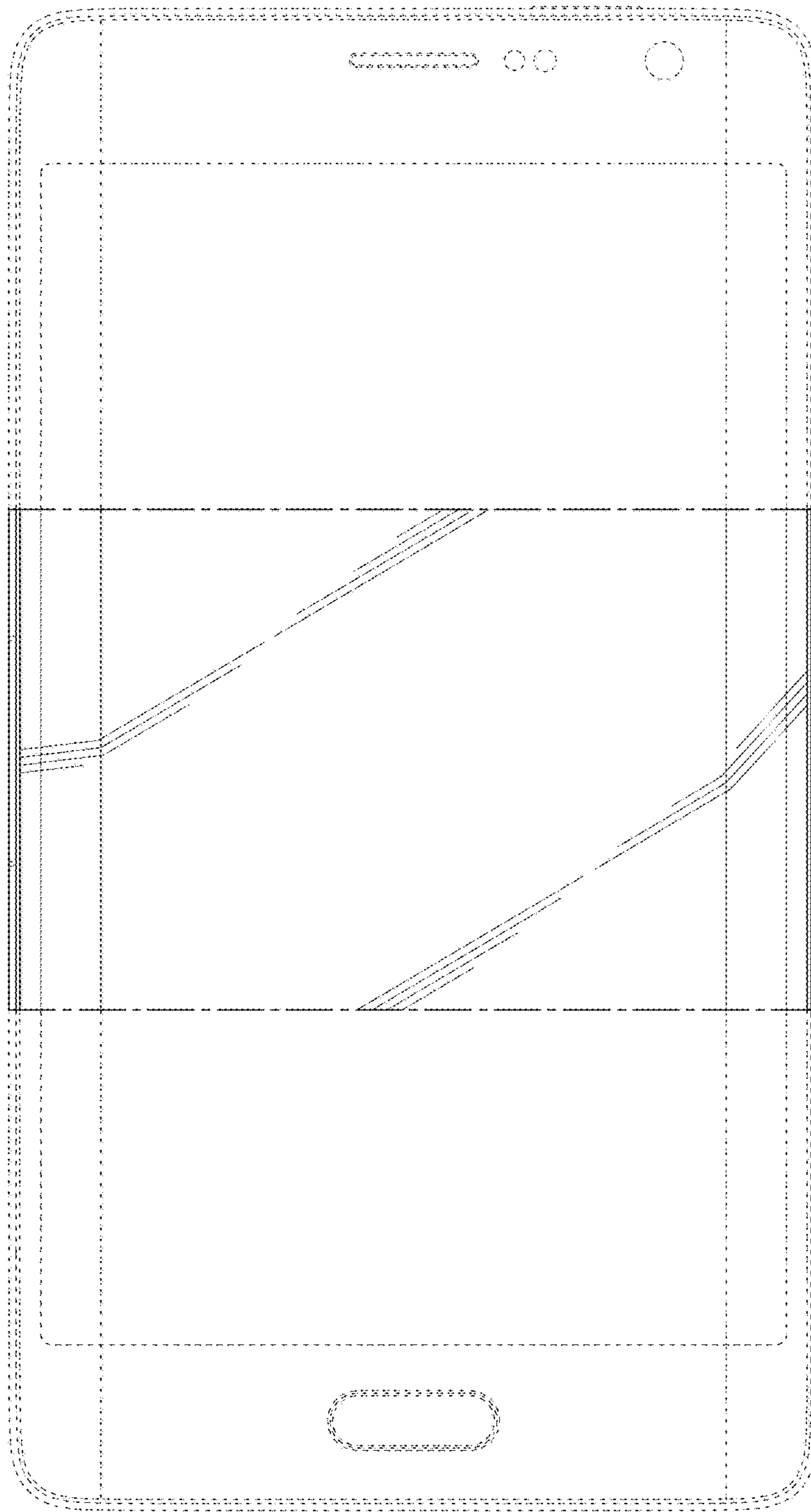


FIG. 3

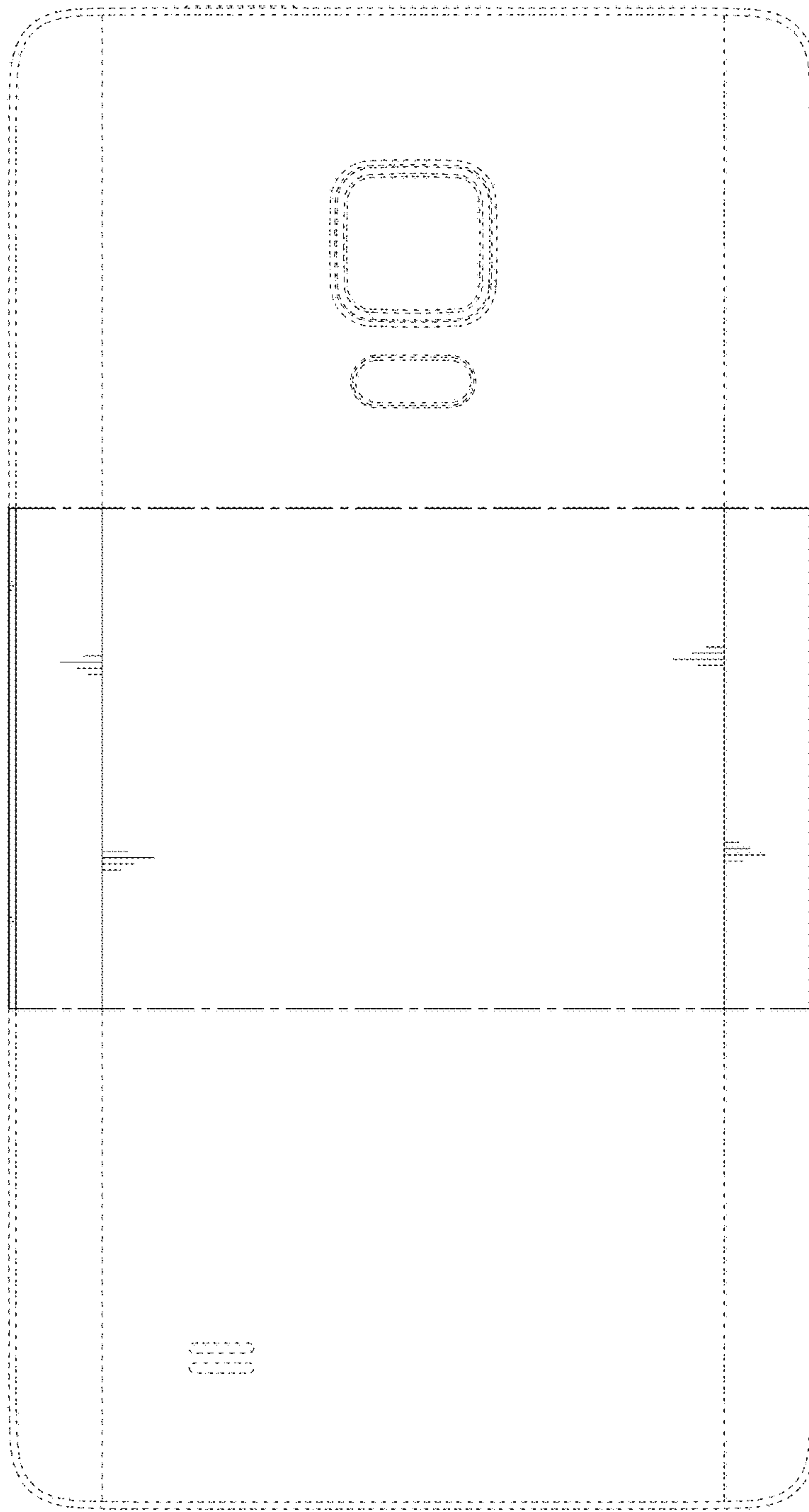




FIG. 4

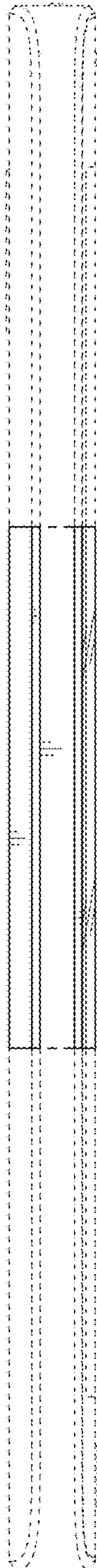


FIG. 5

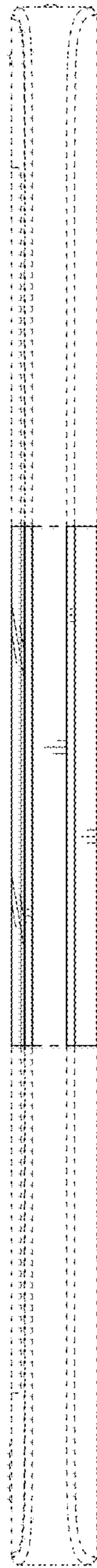




FIG. 6

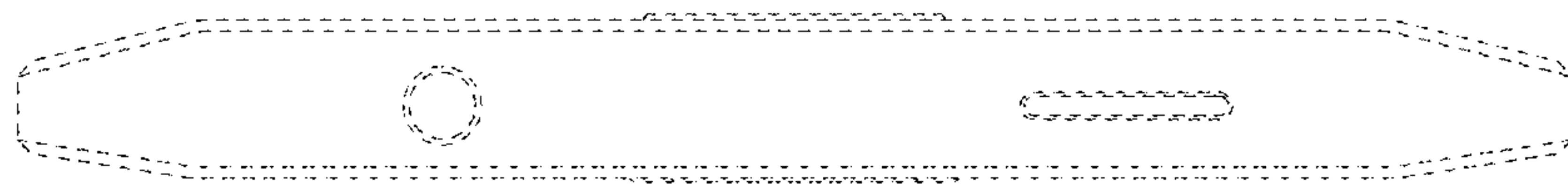


FIG. 7

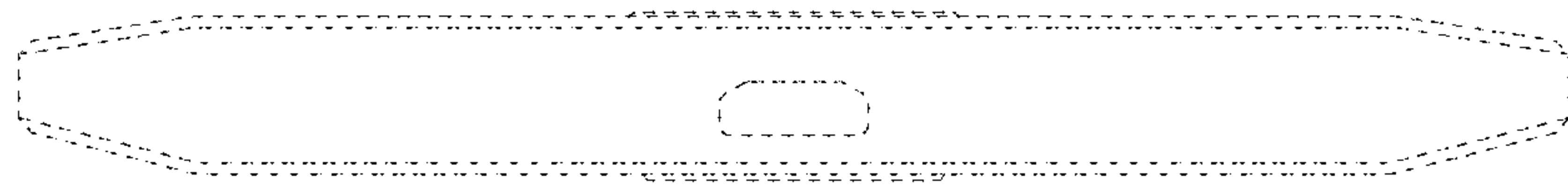


FIG. 8

