



US00D957399S

(12) **United States Design Patent** (10) **Patent No.:** **US D957,399 S**
Akana et al. (45) **Date of Patent:** **** Jul. 12, 2022**

(54) **HOUSING MODULE FOR AN ELECTRONIC DEVICE**

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

(21) Appl. No.: **29/648,094**

(22) Filed: **May 18, 2018**

Related U.S. Application Data

(63) Continuation of application No. 29/613,506, filed on Aug. 10, 2017, now Pat. No. Des. 831,025.

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

(52) **U.S. Cl.**
USPC **D14/439**

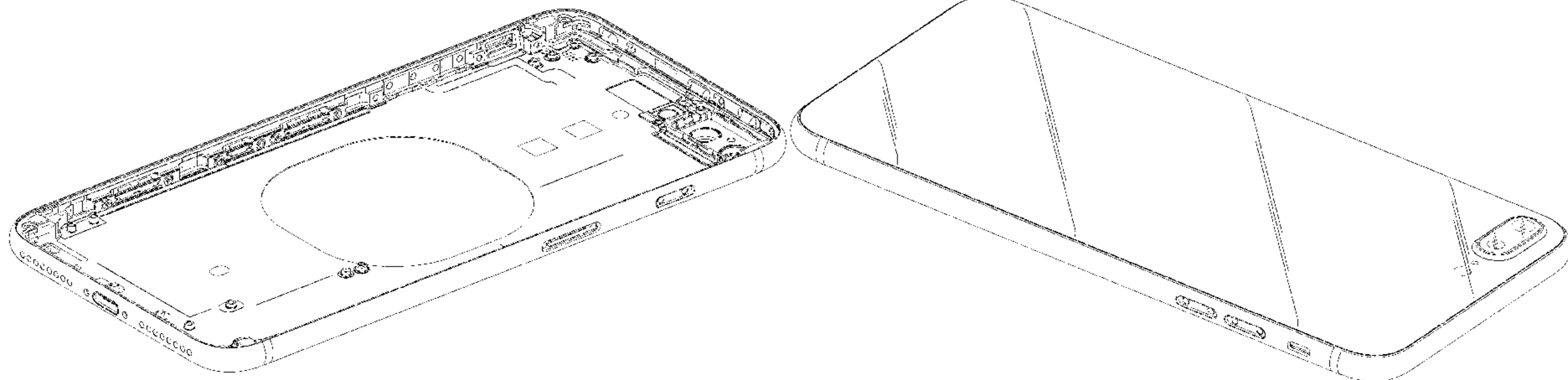
(58) **Field of Classification Search**

USPC D14/138 AA, 138 AB, 138 AC, 138 AD, D14/138 C, 138 G, 218, 248, 315-318, D14/341-347, 371, 374, 432, 439; D6/308, 310; D10/30, 50, 65, 104.1; D18/6-7; D19/26, 59-60; D21/324, D21/329-330, 332
 CPC ... H04M 1/0202; H04M 1/0266; H04M 1/725
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D114,891 S	5/1939	Fogel
D191,070 S	8/1961	McCreery
D411,448 S	6/1999	Baker
D556,681 S	12/2007	Kim
D574,819 S	8/2008	Andre et al.
D575,056 S	8/2008	Tan
7,660,560 B2	2/2010	Zuo
7,697,281 B2	4/2010	Dabov et al.
D619,361 S	7/2010	Andre et al.
D622,716 S	8/2010	Andre et al.
D623,180 S	9/2010	Diebel
D624,403 S	9/2010	Hansen et al.
7,796,381 B2	9/2010	Zuo et al.
D624,815 S	10/2010	Hansen et al.
D625,524 S	10/2010	Schwartz et al.
D647,519 S	10/2011	Rothbaum et al.
D648,718 S	11/2011	Andre et al.
D662,503 S	6/2012	Akana et al.
8,250,724 B2	8/2012	Dabov et al.
D677,664 S	3/2013	Akana et al.
D681,032 S	4/2013	Akana et al.
D697,068 S	1/2014	Andre et al.



D697,511 S	1/2014	Andre et al.	
D697,918 S	1/2014	Akana et al.	
D699,717 S	2/2014	Akana et al.	
D710,813 S	8/2014	Ichinose	
D718,753 S	12/2014	Akana et al.	
D720,747 S	1/2015	Kim	
D721,346 S	1/2015	Lee	
D723,495 S	3/2015	Jeong	
D723,567 S	3/2015	Akana et al.	
D729,809 S	5/2015	Akana et al.	
D730,361 S	5/2015	Akana et al.	
D732,498 S	6/2015	Huang	
D732,539 S	6/2015	Akana et al.	
D733,146 S	6/2015	Akana et al.	
D735,726 S	8/2015	Chen	
9,114,487 B2	8/2015	Kiple	
9,176,701 B2	11/2015	Becze	
D747,319 S	1/2016	Lee	
D747,723 S	1/2016	Kim et al.	
D749,590 S	2/2016	Dinh et al.	
D749,591 S	2/2016	Akana et al.	
D756,948 S	5/2016	Kim	
D757,675 S	5/2016	Seo	
D759,008 S	6/2016	Akana et al.	
D768,637 S *	10/2016	Akana	D14/439
D770,411 S	11/2016	Zhang	
D774,031 S	12/2016	Otani	
D781,807 S	3/2017	Hubbard	
D791,139 S *	7/2017	Akana	D14/439
D791,732 S	7/2017	Xu	
D796,469 S	9/2017	Jin	
D798,260 S	9/2017	Seo	
D800,716 S	10/2017	Akana et al.	
D806,705 S	1/2018	Akana et al.	
D815,632 S	4/2018	Akana et al.	
D815,633 S	4/2018	Akana et al.	
D815,634 S	4/2018	Akana et al.	
D816,649 S	5/2018	Song	
D824,390 S *	7/2018	Akana	D14/439
D831,025 S *	10/2018	Akana	D14/341
D849,009 S *	5/2019	Akana	D14/439
D849,010 S *	5/2019	Akana	D14/439
D852,197 S *	6/2019	Akana	D14/439
D893,495 S *	8/2020	Akana	D14/439
D895,626 S *	9/2020	Akana	D14/439
D895,628 S *	9/2020	Akana	D14/439
D896,232 S *	9/2020	Akana	D14/439
D924,241 S *	7/2021	Akana	D14/439
D926,766 S *	8/2021	Akana	D14/439
D926,768 S *	8/2021	Akana	D14/439
D926,769 S *	8/2021	Akana	D14/439
D933,072 S *	10/2021	Akana	D14/439
2006/0281501 A1 *	12/2006	Zuo	H04M 1/0262 455/575.1
2010/0146766 A1	6/2010	Dabov et al.	
2017/0168637 A1 *	6/2017	Hobson	H04M 1/026
2020/0310489 A1 *	10/2020	Spraggs	G06F 1/1615

FOREIGN PATENT DOCUMENTS

CN	303542264	*	1/2016
CN	304794894	*	8/2018
JP	D1474628	*	7/2013
KR	300735385.0000	*	3/2014

OTHER PUBLICATIONS

Back Glass Full Midframe, date first available: Aug. 10, 2021, [retrieved Aug. 12, 2021], Retrieved from Internet URL: <<https://www.amazon.com/Group-Vertical-Replacement-Midframe-Compatible/dp/B083YVTP7V>> (Year: 2021).*

Apple iPhone 12 Pro 5GmmWave Report, date not available, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://unitedlex.com/insights/apple-iphone-12-pro-5g-mmwave-report>> (Year: 2021).*

Apple iPhone 12 Teardown, Oct. 24, 2020, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://hothardware.com/news/iphone-12-teardown-5g-changes>> (Year: 2020).*

Replacement Parts for iPhone XR Rear Housing, date not available, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://www.globalsources.com/Mobile-phone/For-iPhone-XR-Back-Housing-with-Parts-1171445056p.htm#1171445056>> (Year: 2021).*

IFixit details which parts you can swap, Apr. 26, 2020, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://9to5mac.com/2020/04/26/iphone-8-iphone-se-parts-swap/>> (Year: 2020).*

IFixit's iPhone XS and XS Max teardown, Sep. 21, 2018, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://www.theverge.com/circuitbreaker/2018/9/21/17886460/ifixit-apple-iphone-xs-max-teardown-revamped-batteries>> (Year: 2018).*

The Clever Engineering Behind the New iPhone XS Battery, Sep. 24, 2018, [retrieved Aug. 12, 2021], Retrieved from Internet, URL: <<https://www.wired.com/story/iphone-xs-battery-shape/>> (Year: 2018).*
Wayback Machine Internet Archive, "iPhone 7 Pre-order Sep. 9," Apple Inc., dated Sep. 7, 2016, accessed Jan. 16, 2018. Available online at (<https://web.archive.org/web/20160907191555/https://www.apple.com/shop/buy-iphone/iphone-7>).

Apple Launches iPhone 8 and iPhone 8 Plus Starting at \$699, posted Sep. 12, 2017, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <https://www.guidingtech.com/72676/apple-launches-iphone8/>>.

The i Phone 8 is excellent, but not for everyone, posted Sep. 19, 2017, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <https://mashable.com/2017/09/19/apple-iphone-8-and-iphone-8-plus-review/#fOyLRIFfRkql>>.

HTC: Apple ripped off our unibody phone design and antenna bands, not the other way round, posted Oct. 22, 2015, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <http://www.idownloadblog.com/2015/10/22/htc-antenna-design-statement/>>.

iPhone 6 Back Housing Replacement (Space Gray), posted Apr. 21, 2014, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <https://www.phonepartworld.com/iphone-6-aluminium-back-housing-replacement-gray>>.

Replacement for iPhone X Rear Housing with Frame—White, posted unknown, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <https://www.unionrepair.com/replacement-for-iphone-x-rear-housing-with-frame-white.html>>.

Back Rear Housing Cover Battery Door Replacement Part for iPhone 8/8 Plus, Quality, posted unknown, [retrieved May 9, 2018]. Retrieved from Internet, <URL: <http://domobest.manufacturer.globalsources.com/si/6008848956994/pdti/Repair-part/1157196030/Battery-Door-Replacement-Part-for-iPhone-88-Plus.htm>>.

* cited by examiner

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(57)

CLAIM

The ornamental design for a housing module for an electronic device, as shown and described.

DESCRIPTION

FIG. 1 is a bottom front perspective view of a housing module for an electronic device showing the claimed design;

FIG. 2 is a top rear perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top view thereof; and,

FIG. 8 is a bottom view thereof.

The oblique shade lines in the figures show transparency or translucency.

The broken lines in the figures show portions of the housing module for an electronic device that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

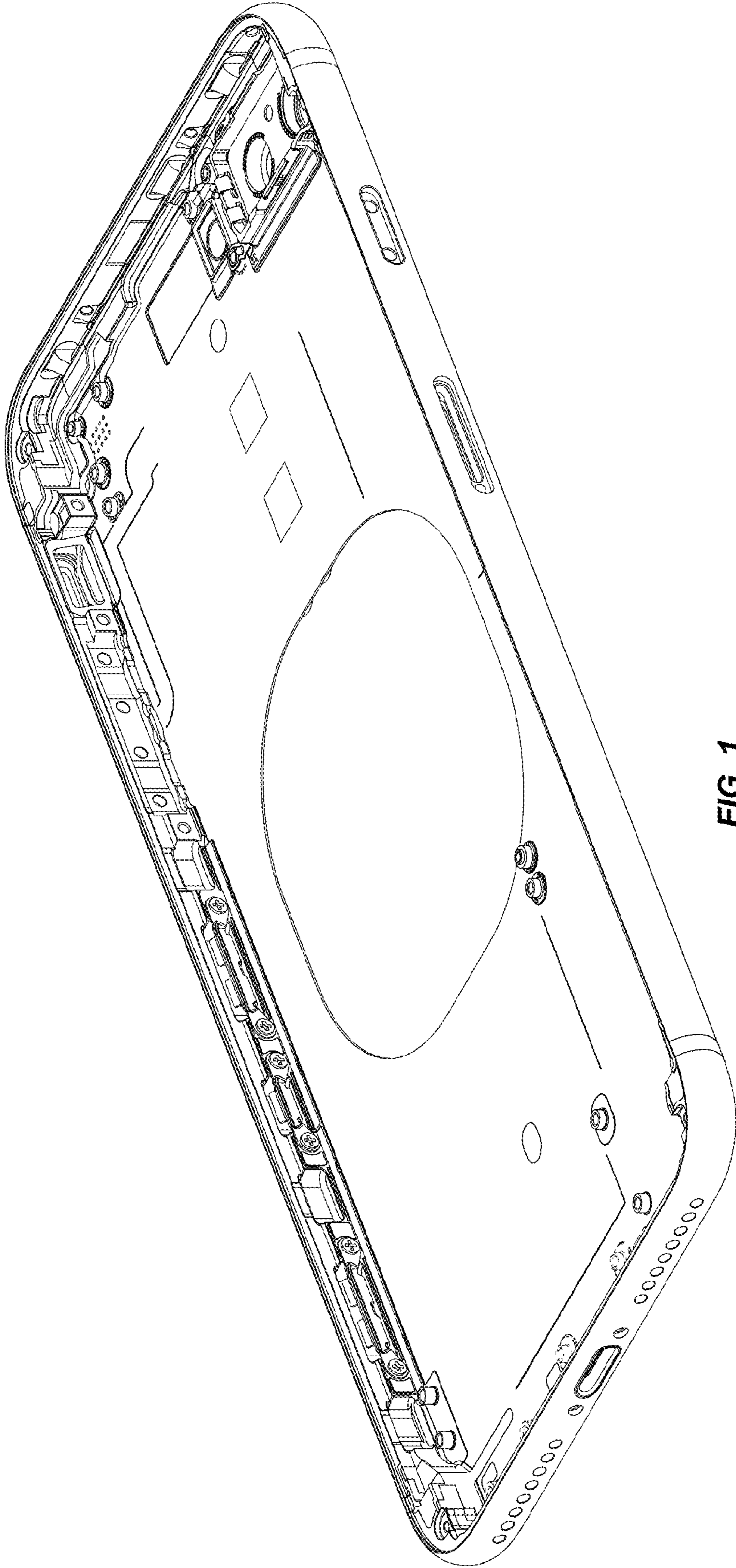


FIG. 1

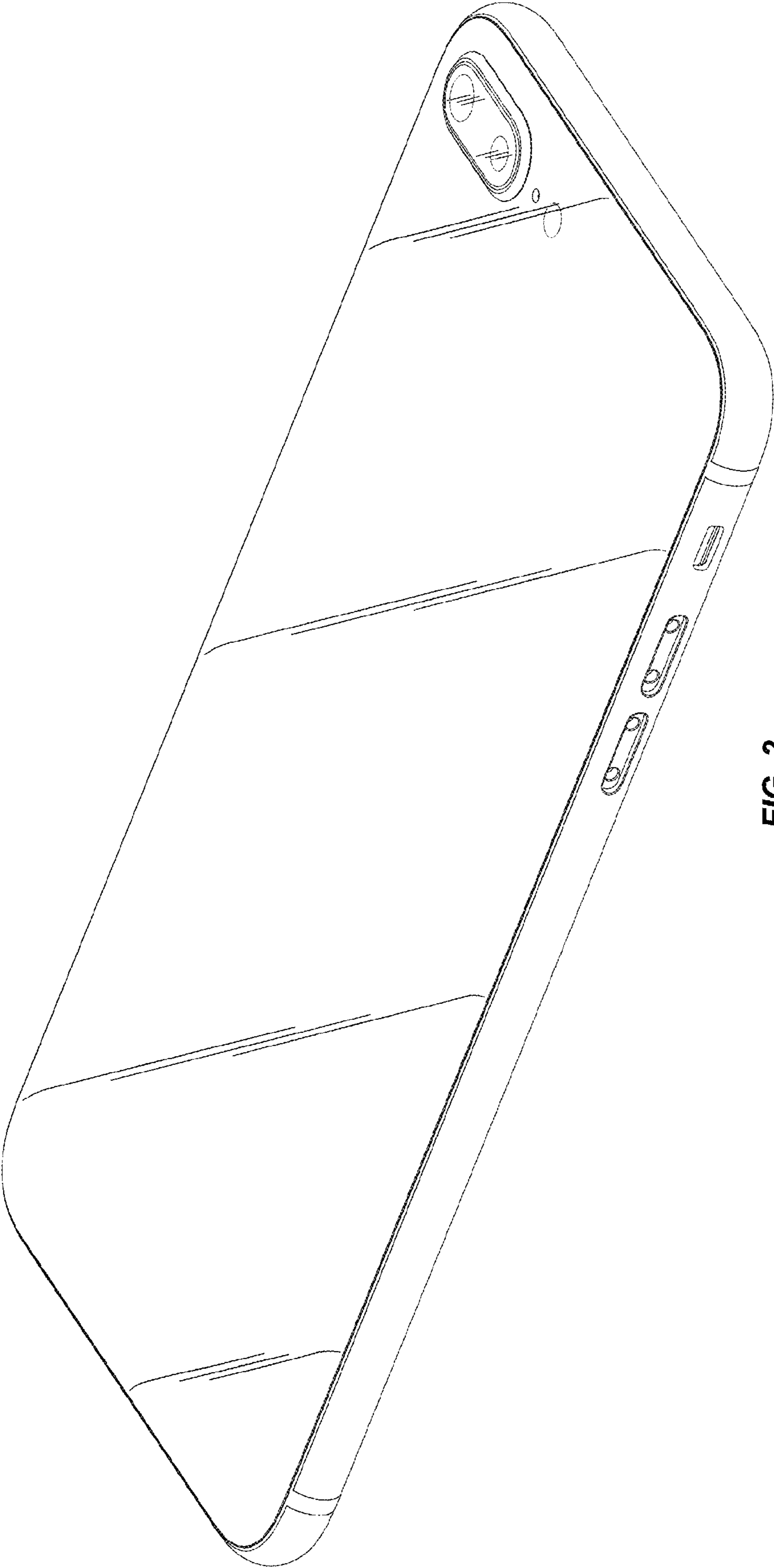


FIG. 2

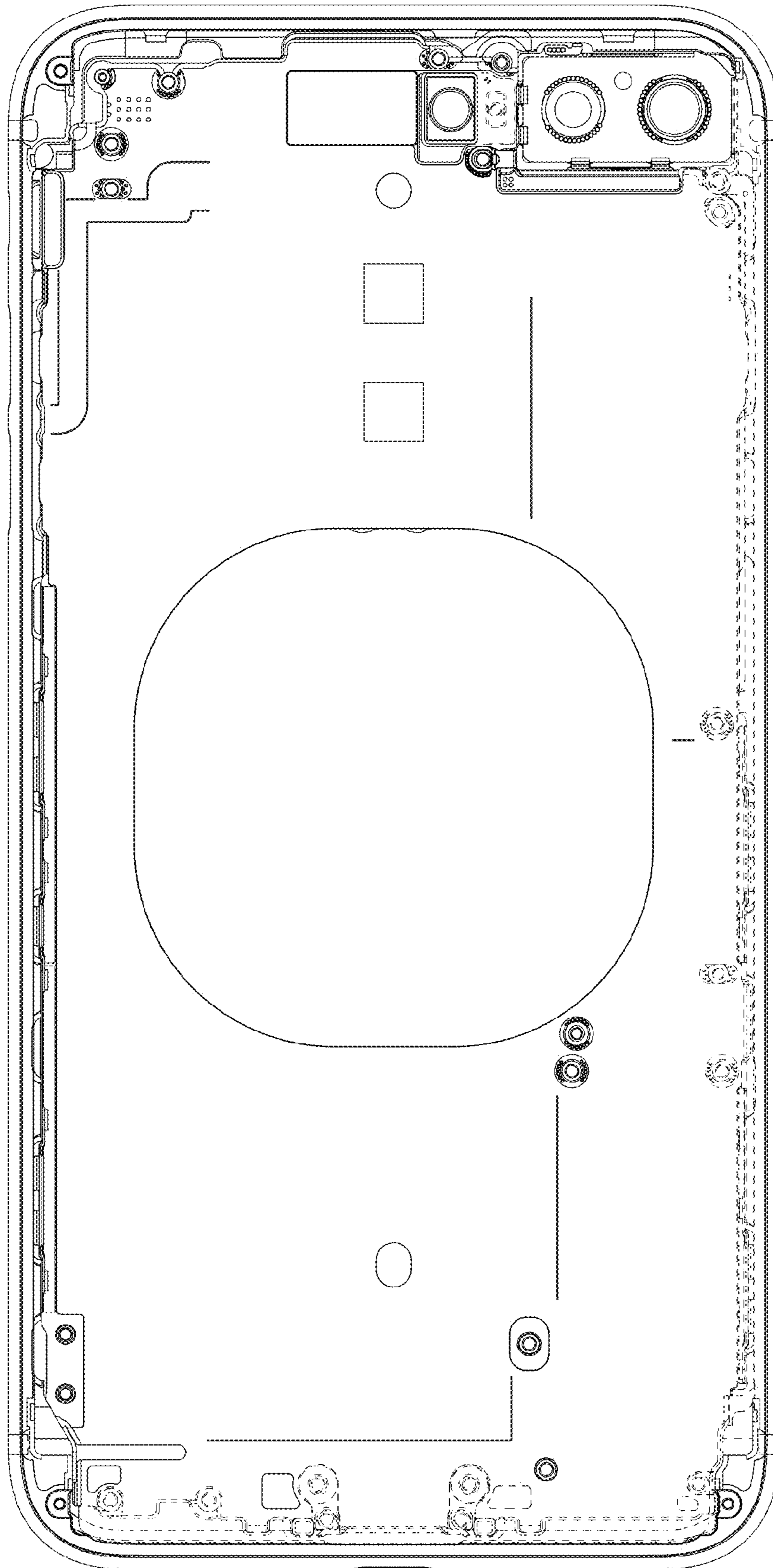


FIG. 3

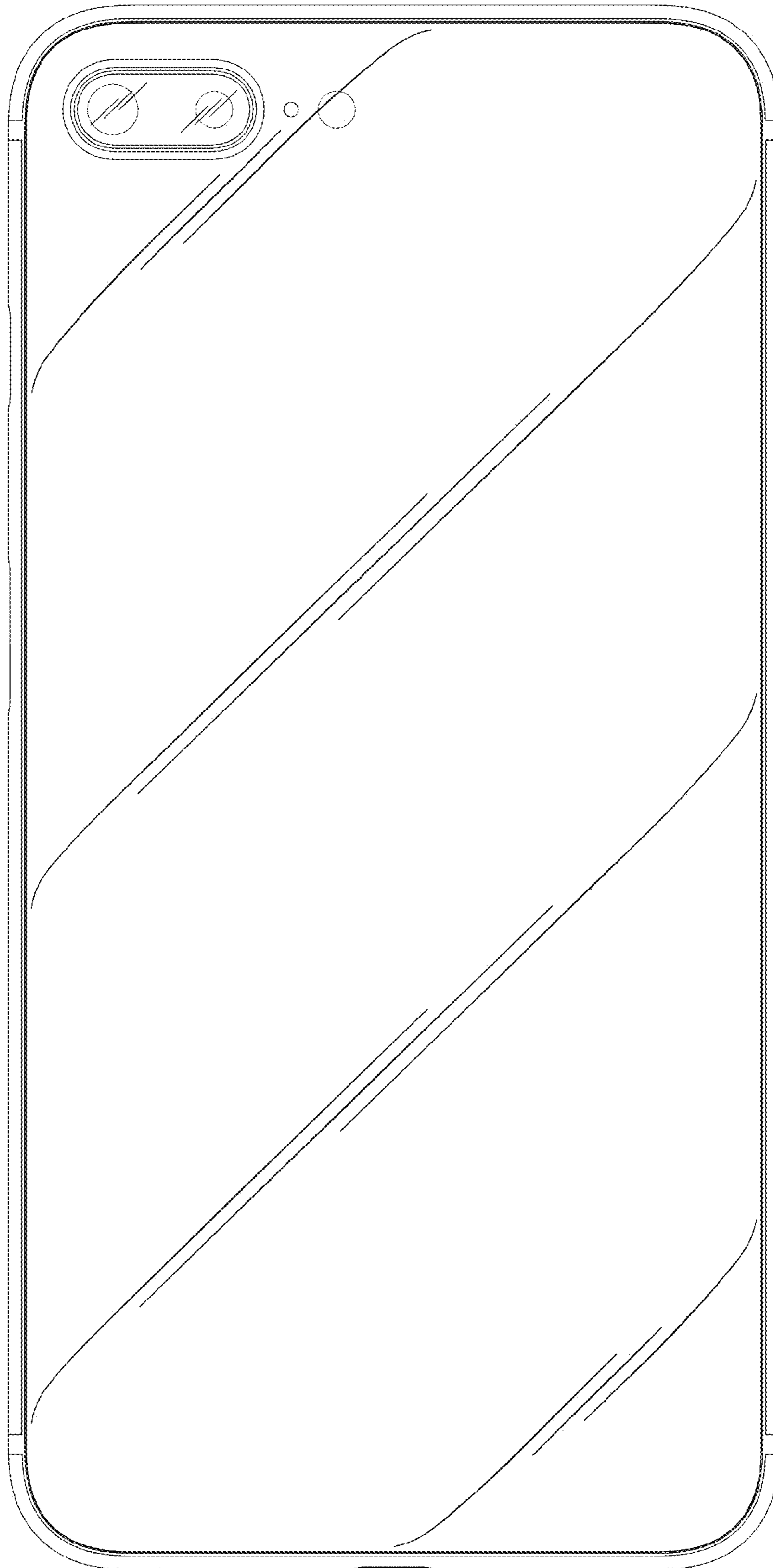


FIG. 4

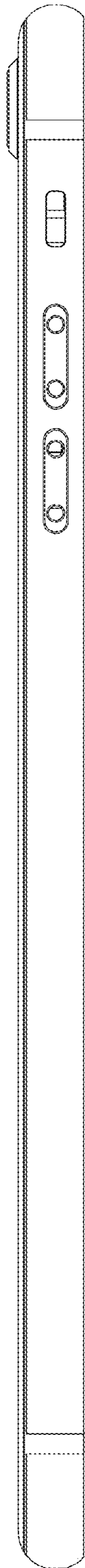


FIG. 5

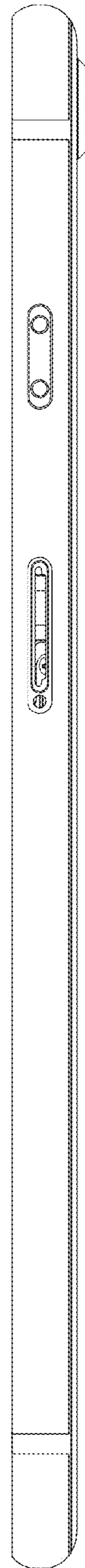


FIG. 6

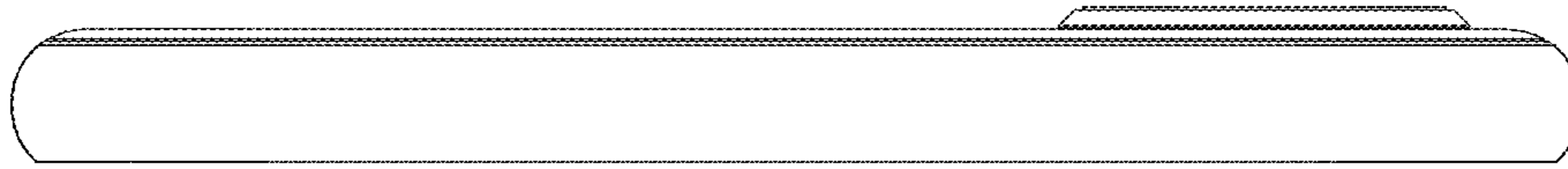


FIG. 7

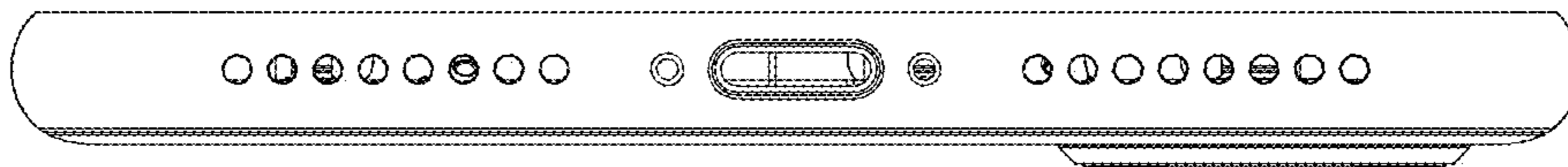


FIG. 8