



US00D875667S

(12) **United States Design Patent**
Tyler et al.(10) **Patent No.:** US D875,667 S
(45) **Date of Patent:** ** Feb. 18, 2020(54) **LITHIUM ION BATTERY CELL**(71) Applicant: **CPS TECHNOLOGY HOLDINGS LLC**, New York, NY (US)(72) Inventors: **Matthew R. Tyler**, Brown Deer, WI (US); **Dale B. Trester**, Milwaukee, WI (US); **Christopher M. Bonin**, South Milwaukee, WI (US)(73) Assignee: **CPS Technology Holdings LLC**, New York, NY (US)(**) Term: **15 Years**(21) Appl. No.: **29/598,626**(22) Filed: **Mar. 28, 2017**H02J 7/0003; H02J 7/0011; H02J 7/0013;
H02J 7/0054; H02J 7/0055; H02J 7/0057;
H02J 2007/0062

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D586,740	S	*	2/2009	Song	D13/103
D586,741	S	*	2/2009	Song	D13/103
D586,742	S	*	2/2009	Song	D13/103
D590,769	S	*	4/2009	Tatehata	D13/103
D592,129	S	*	5/2009	Masuda	D13/103
D592,130	S	*	5/2009	Tatehata	D13/103
D642,978	S	*	8/2011	Sato	D13/103
D644,988	S	*	9/2011	Finney	D13/103
D645,814	S	*	9/2011	Otani	D13/103
D651,564	S	*	1/2012	Workman	D13/108
D665,734	S	*	8/2012	Fitch	D13/107
D677,623	S	*	3/2013	Fitch	D13/108

(Continued)

Primary Examiner — Rosemary K Tarcza*Assistant Examiner* — Christy M Nemeth(74) *Attorney, Agent, or Firm* — Christopher & Weisberg, P.A.(57) **CLAIM**

The ornamental design for a lithium ion battery cell, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a lithium ion battery cell showing our new design;

FIG. 2 is a front elevation view thereof;

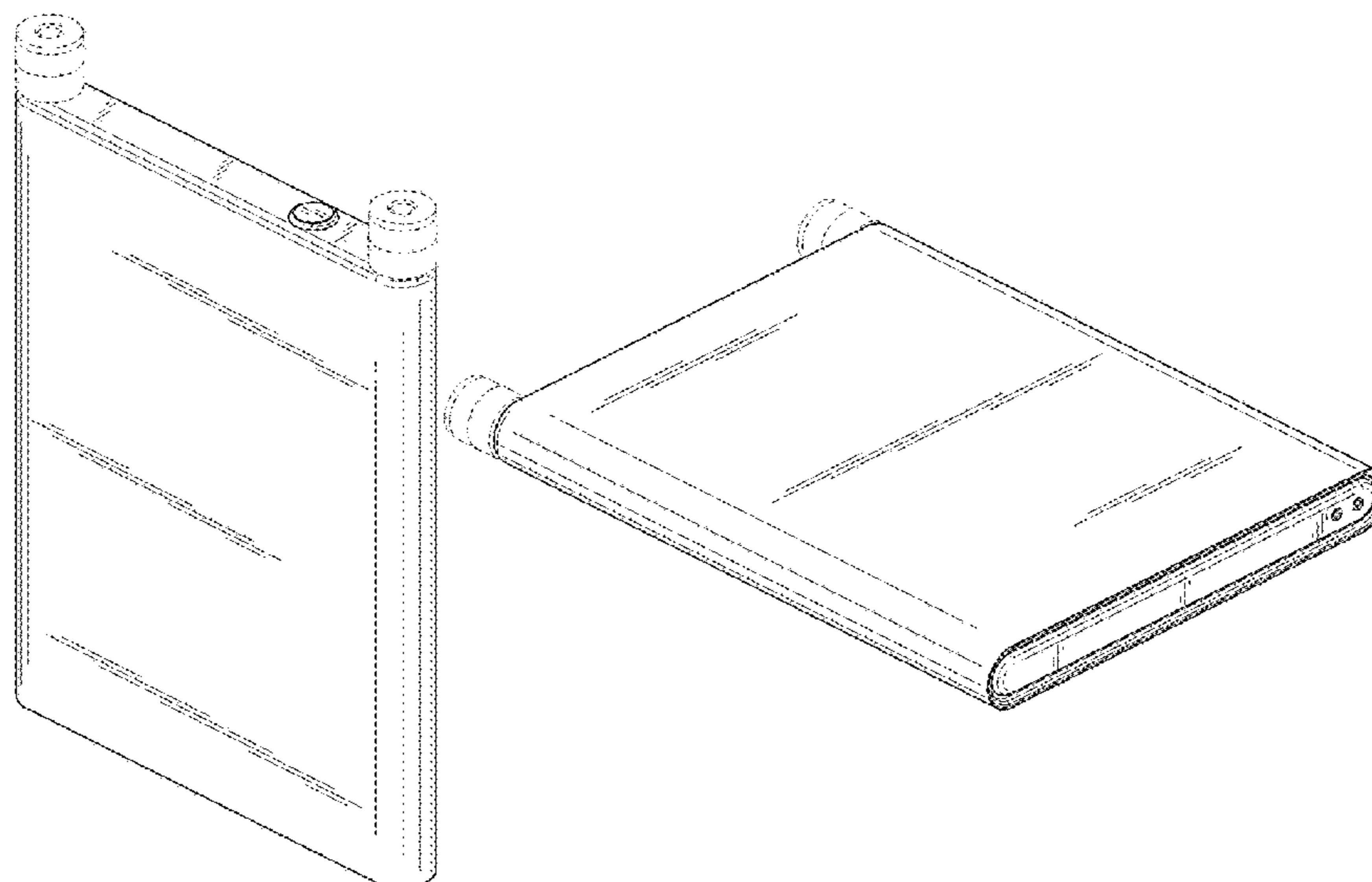
FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right side elevation view thereof, the left side elevation view being identical;

FIG. 5 is a top plan view thereof; and,

FIG. 6 is a bottom perspective view thereof.

The broken lines in the drawings are for the purpose of illustrating portions of the lithium ion battery cell that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

D678,185 S * 3/2013 Horiuchi D13/103
D678,186 S * 3/2013 Horiuchi D13/103
D684,114 S * 6/2013 Otani D13/103
D740,752 S * 10/2015 Kitsugi D13/119
D743,889 S * 11/2015 Lyles D13/110
D747,264 S * 1/2016 Kitsugi D13/103
D763,188 S * 8/2016 Park D13/108
D772,807 S * 11/2016 Chen D13/103
D773,390 S * 12/2016 Dittel D13/103
D782,409 S * 3/2017 Tyler D13/103
D782,410 S * 3/2017 Li D13/103
D787,443 S * 5/2017 Chiang D13/110
D815,036 S * 4/2018 Martorell D13/108
D828,295 S * 9/2018 Li D13/108
D839,823 S * 2/2019 Lemelson D13/103
D853,958 S * 7/2019 Lei D13/108
D856,278 S * 8/2019 Turksu D13/108
D862,384 S * 10/2019 Jen D13/108
D862,385 S * 10/2019 Turksu D13/108
2015/0303411 A1* 10/2015 Seong H01M 2/0202
429/163
2018/0102537 A1* 4/2018 Kim H01M 4/131
2018/0233715 A1* 8/2018 Xing H01M 2/0404
2019/0229325 A1* 7/2019 Ahn H01M 4/133

* cited by examiner

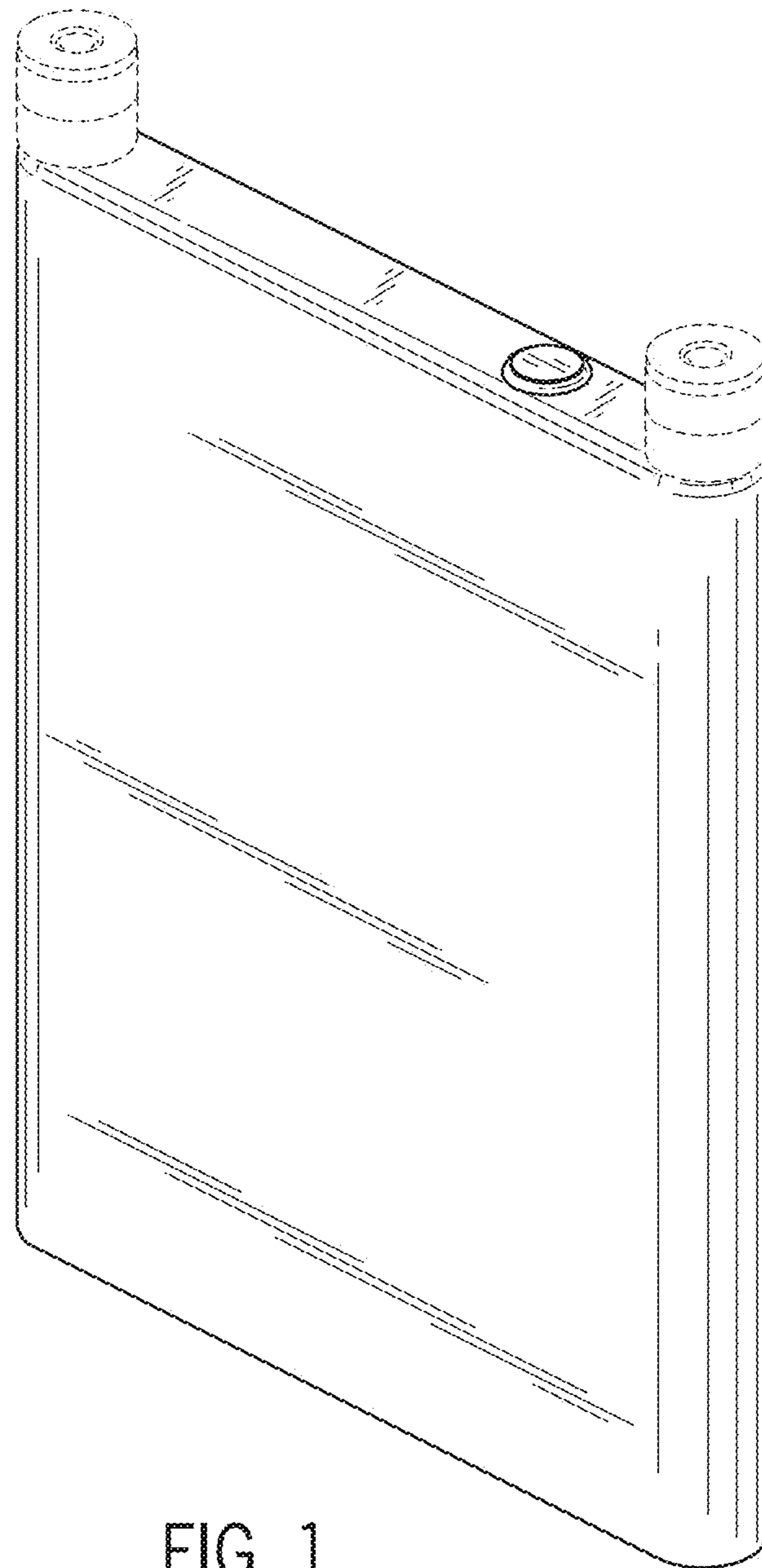


FIG. 1

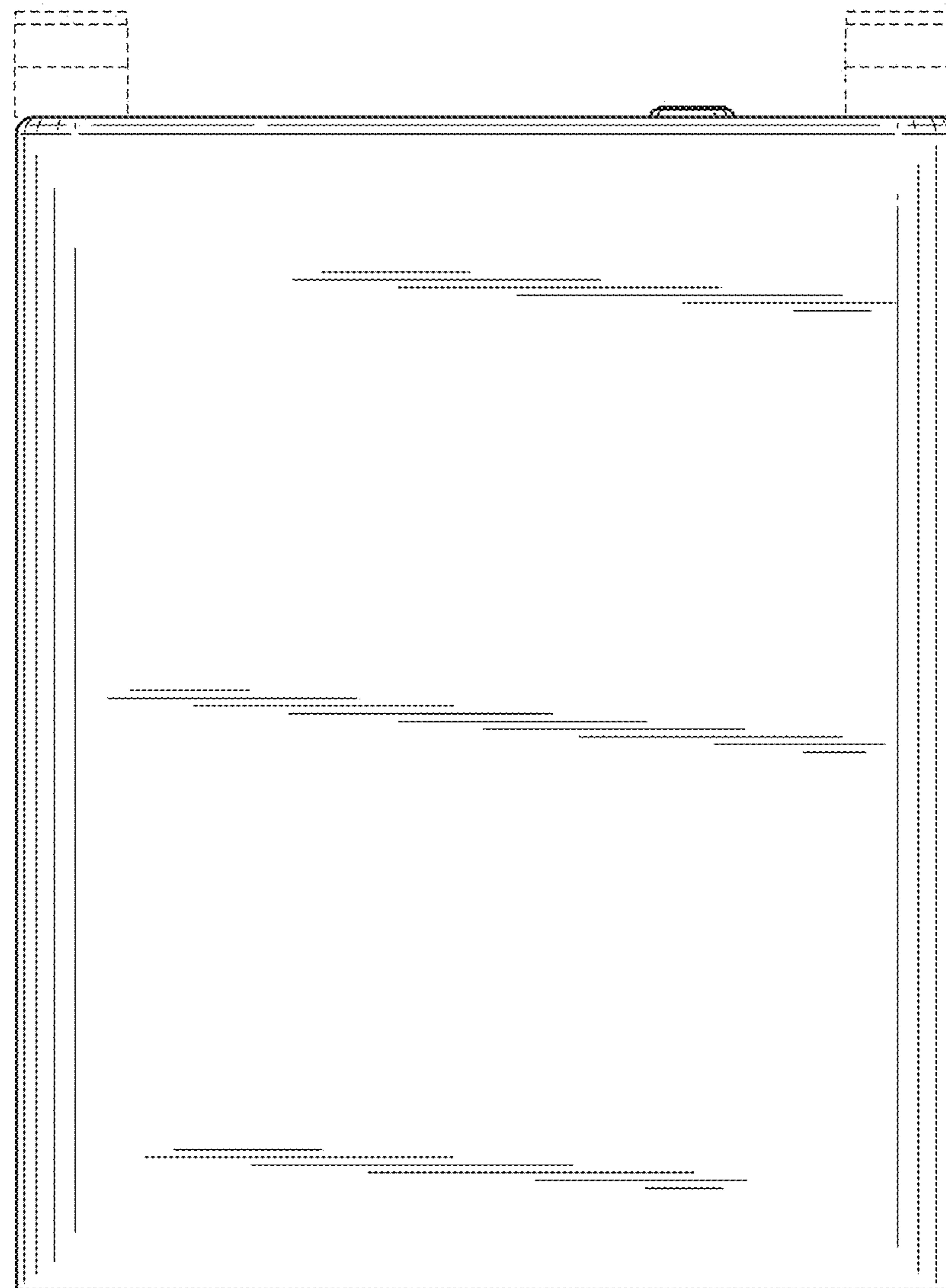


FIG. 2

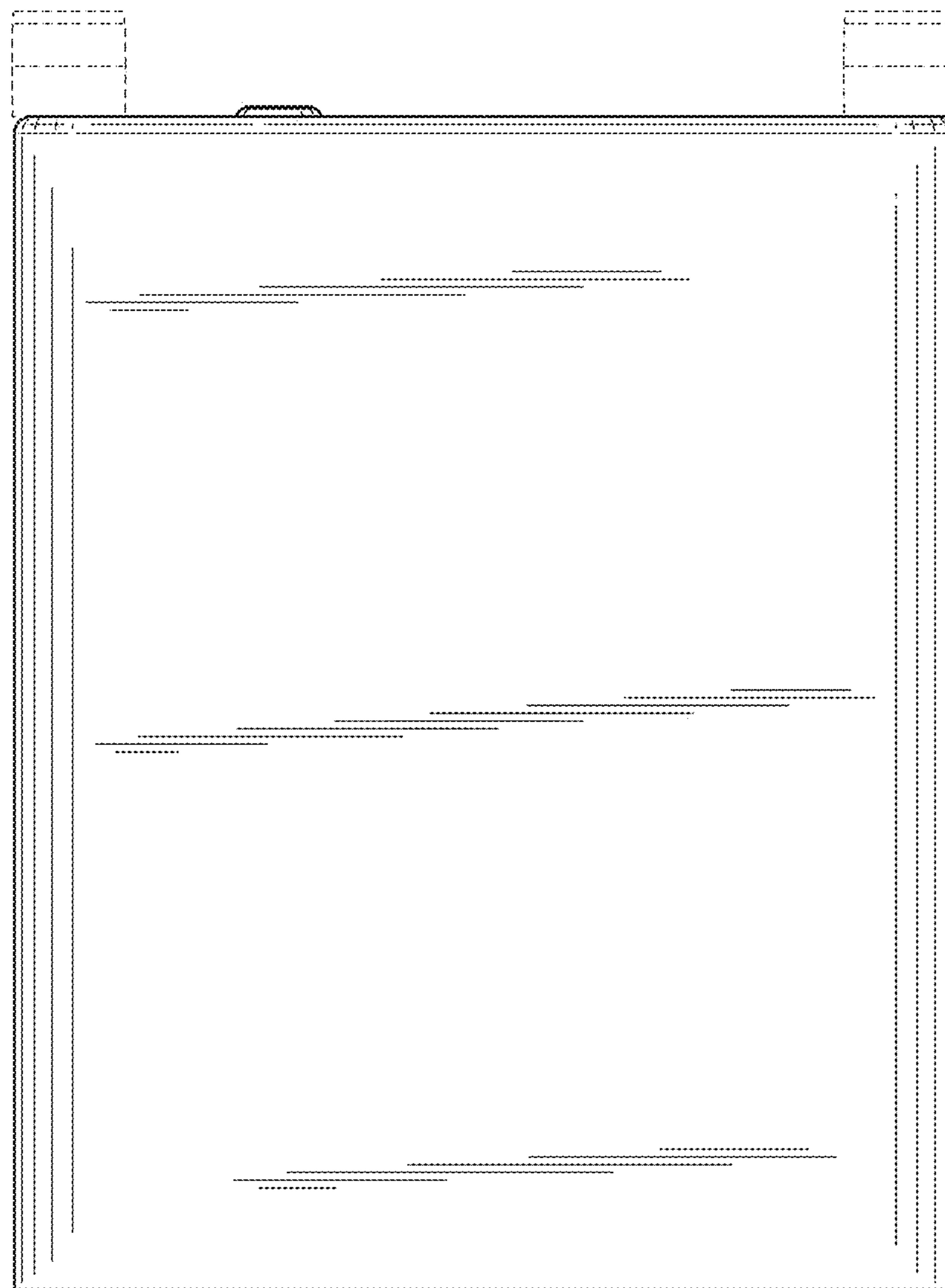


FIG. 3



FIG. 4



FIG. 5

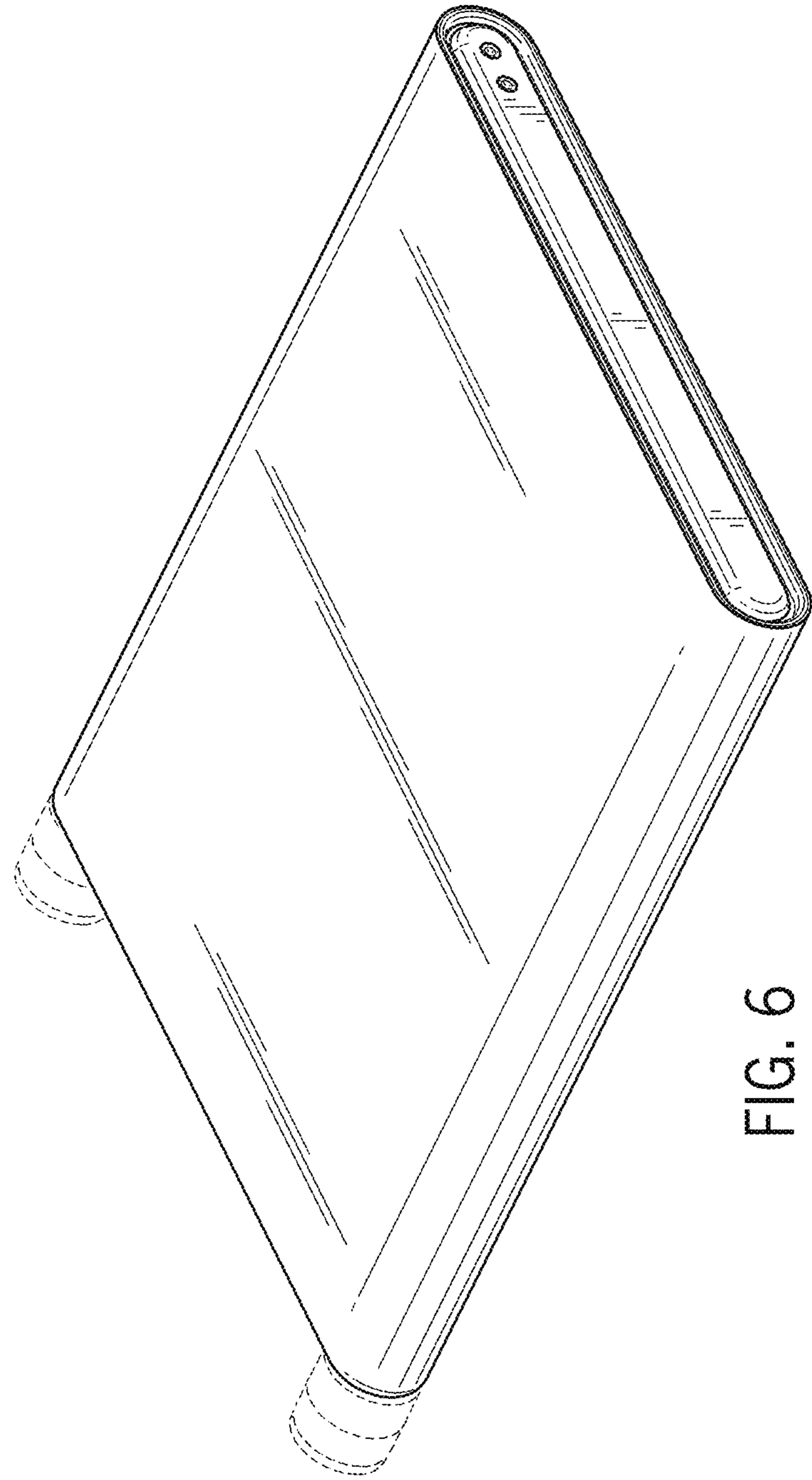


FIG. 6

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D875,667 S
APPLICATION NO. : 29/598626
DATED : February 18, 2020
INVENTOR(S) : Tyler et al.

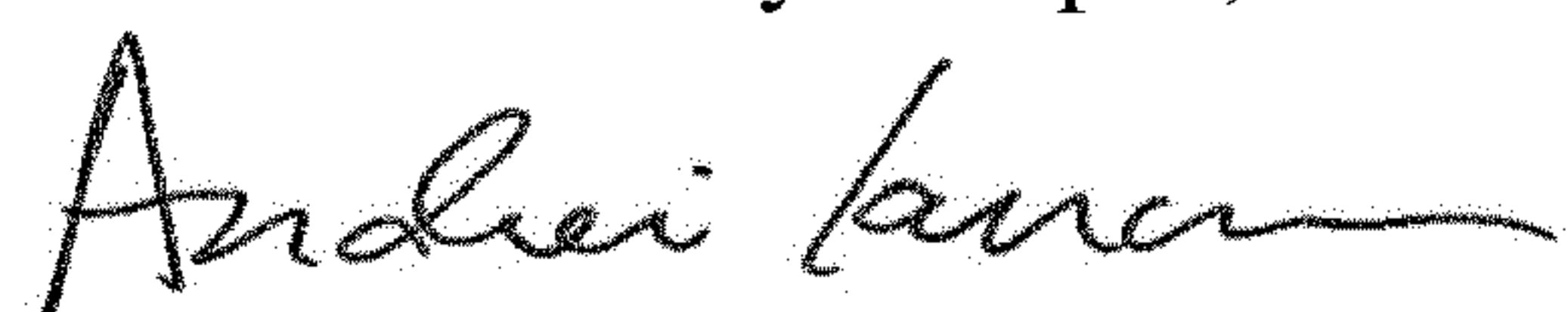
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In Column 1, under "Related U.S. Application Data", delete item "(60)" and insert item -- (62) --, therefor.

Signed and Sealed this
Fourteenth Day of April, 2020



Andrei Iancu
Director of the United States Patent and Trademark Office