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(12) **United States Design Patent** (10) **Patent No.:** **US D920,926 S**
Morita et al. (45) **Date of Patent:** **** Jun. 1, 2021**

(54) **PUSH SWITCH** 4,691,986 A * 9/1987 Aberson, Jr. G02B 6/382
385/64
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132/73
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362/217.16
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D426,428 S * 6/2000 Fredenberg D7/619.1
D489,679 S * 5/2004 Wong D13/103
Ogawa, Moriyama (JP); **Masami**
D558,444 S * 1/2008 Ma D3/6
Nishida, Osaka (JP) D622,606 S * 8/2010 Masotti D9/561

(Continued)

(73) Assignee: **OMRON Corporation**, Kyoto (JP)(**) Term: **15 Years**

FOREIGN PATENT DOCUMENTS

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JP	D1593527	12/2017
KR	3005139730002	12/2008

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OTHER PUBLICATIONS

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(51) **LOC (13) Cl.** **13-03**(52) **U.S. Cl.**USPC **D13/158**; D13/171(58) **Field of Classification Search**USPC D13/107, 112, 118, 123, 133, 158–162,
D13/173, 174, 184, 199, 171CPC B60Q 1/00; B60Q 1/52; F21S 4/00; F21S
8/10; F21S 41/24; F21S 41/162; F21V
29/00; F21V 19/00; G02B 6/00; G02B
6/36; H01R 12/00; H01R 13/00; H01R
33/00; H01R 24/00; H01H 9/04; H01H
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

57,890	A *	9/1866	Gilson		C10L 5/36
					44/530
4,386,820	A *	6/1983	Dola		H01R 13/645
					439/651

Alten.cz triangle beads, dated Nov. 3, 2012, [online], [site visited Dec. 4, 2020]. Available from Internet, URL: <http://www.altenbeads.com/triangles> (Year: 2012).*

(Continued)

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(57)

CLAIM

The ornamental design for a push switch, as shown and described.

DESCRIPTION

FIG. 1 is a top, front, and right side perspective view of a push switch showing our new design;

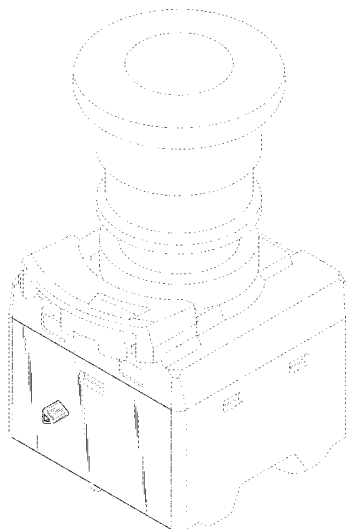
FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof; and,

FIG. 5 is a bottom view thereof.

The dashed broken lines illustrate portions of the push switch that form no part of the claimed design. The dot-dashed broken lines depict the bounds of the claim and form no part thereof.

1 Claim, 5 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

7,862,244	B2 *	1/2011	Mizue	G02B 6/4292	385/92
D656,648	S *	3/2012	Tompkin	D26/46	
D694,690	S *	12/2013	Chou	D12/194	
D700,671	S *	3/2014	Miller	D21/756	
D731,166	S *	6/2015	Ma	D3/5	
D746,541	S *	1/2016	Sambashivan	D1/128	
D822,315	S *	7/2018	Heath	D1/122	
D850,388	S *	6/2019	Morita	D13/158	
10,309,594	B1 *	6/2019	Baldwin	F21V 23/003	
D867,152	S *	11/2019	Bouheraoua, Jr.	D9/561	
D884,308	S *	5/2020	Brown	D1/122	
D892,084	S *	8/2020	Uhm	D14/218	
10,910,174	B2 *	2/2021	Morita	H01H 13/04	
2004/0154525	A1 *	8/2004	Wirth	B64F 1/20	116/1
2008/0202038	A1 *	8/2008	Orava	E04C 3/28	52/1
2011/0065305	A1 *	3/2011	Amit	H01R 13/5829	439/368
2016/0358729	A1 *	12/2016	Hisada	H01H 9/04	
2018/0240625	A1 *	8/2018	Stuklek	H01C 10/50	
2021/0066002	A1 *	3/2021	Morita	H01H 9/285	

OTHER PUBLICATIONS

Libbey Triangle Votive Container—Tealight Votive Candle Holder, dated Feb. 19, 2016, [online], [site visited Dec. 17, 2020]. Available from Internet, URL: <https://www.100candles.com/i-5246/Libbey-Triangle-Votive-Container-Tealight-Votive-Candle-Holder> (Year: 2016).*

Kazuaki Morita et al., Push Switch, Design U.S. Appl. No. 29/636,231, filed Feb. 7, 2018, in the USPTO.

Kazuaki Morita et al., Push Switch, Design U.S. Appl. No. 29/636,241, filed Feb. 7, 2018, in the USPTO.

* cited by examiner

Fig. 1

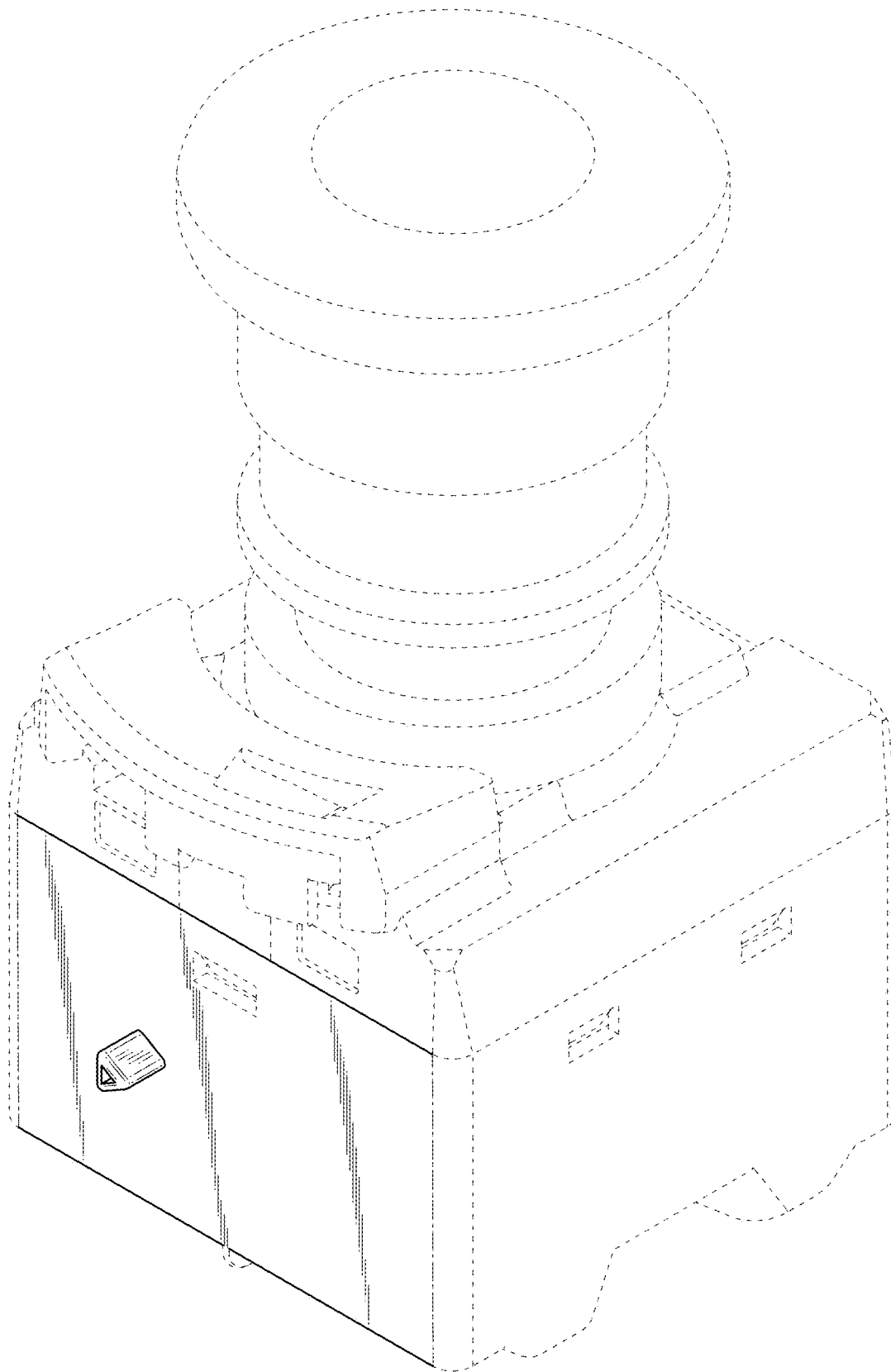


Fig. 2

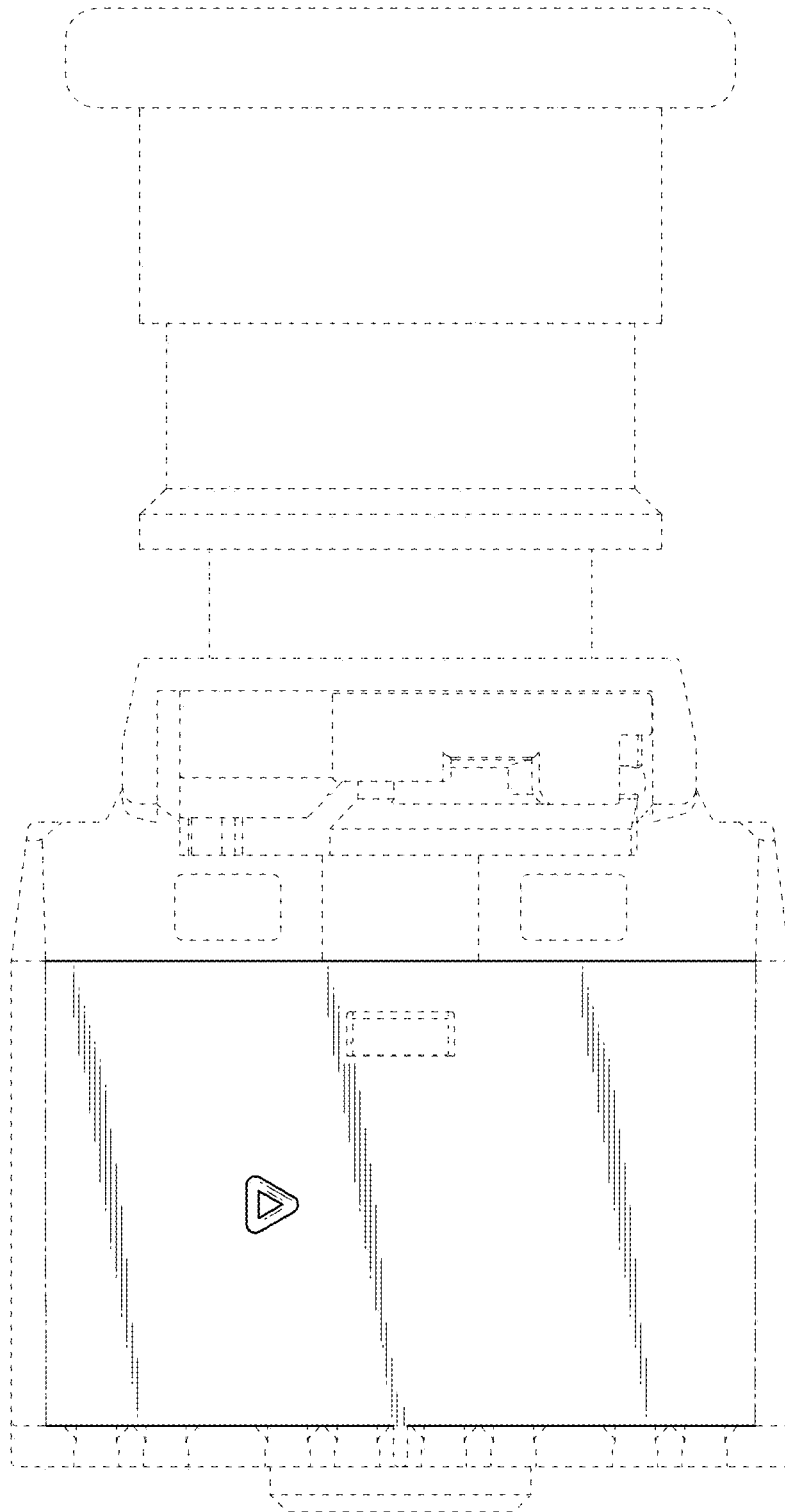


Fig. 3

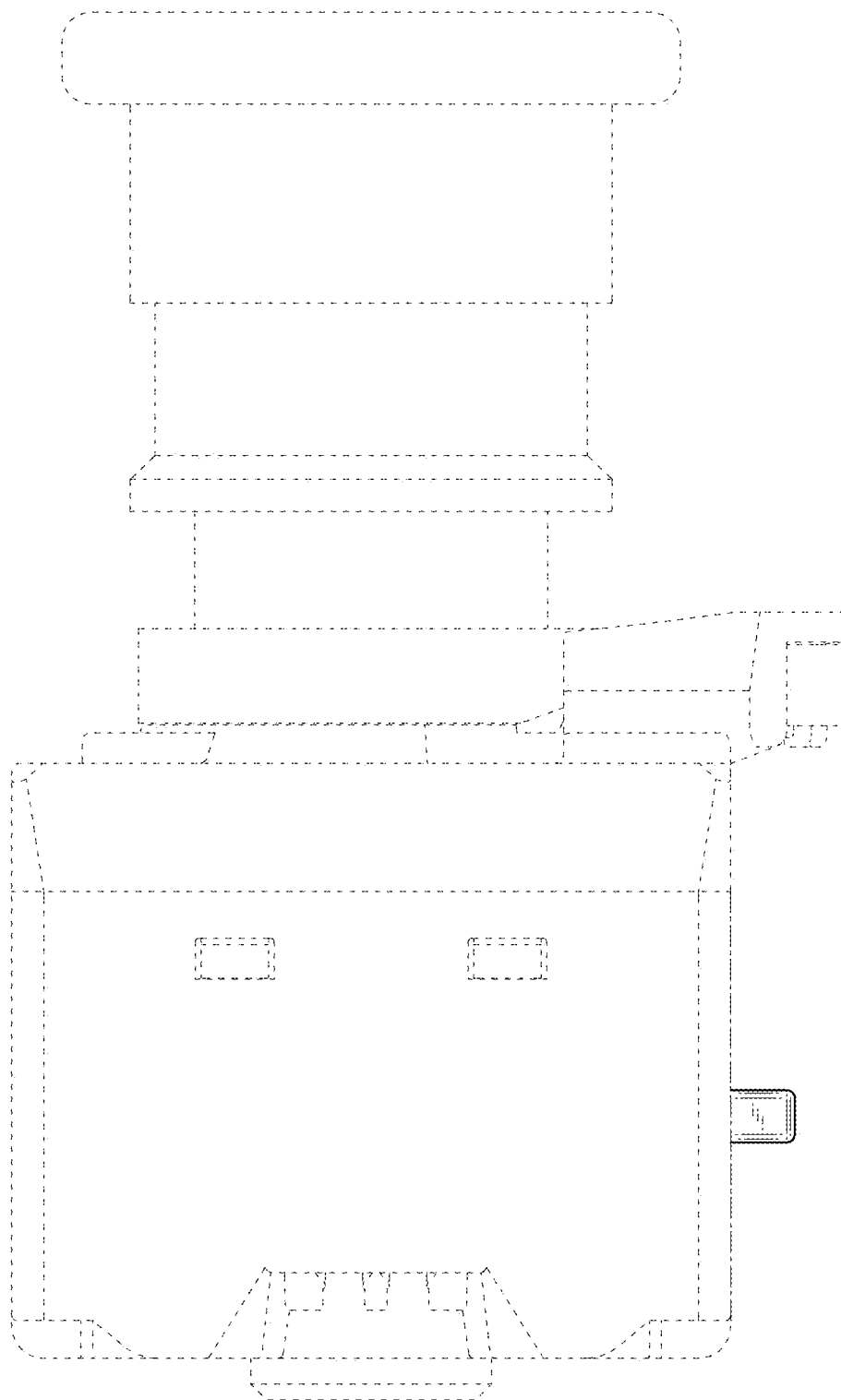


Fig. 4

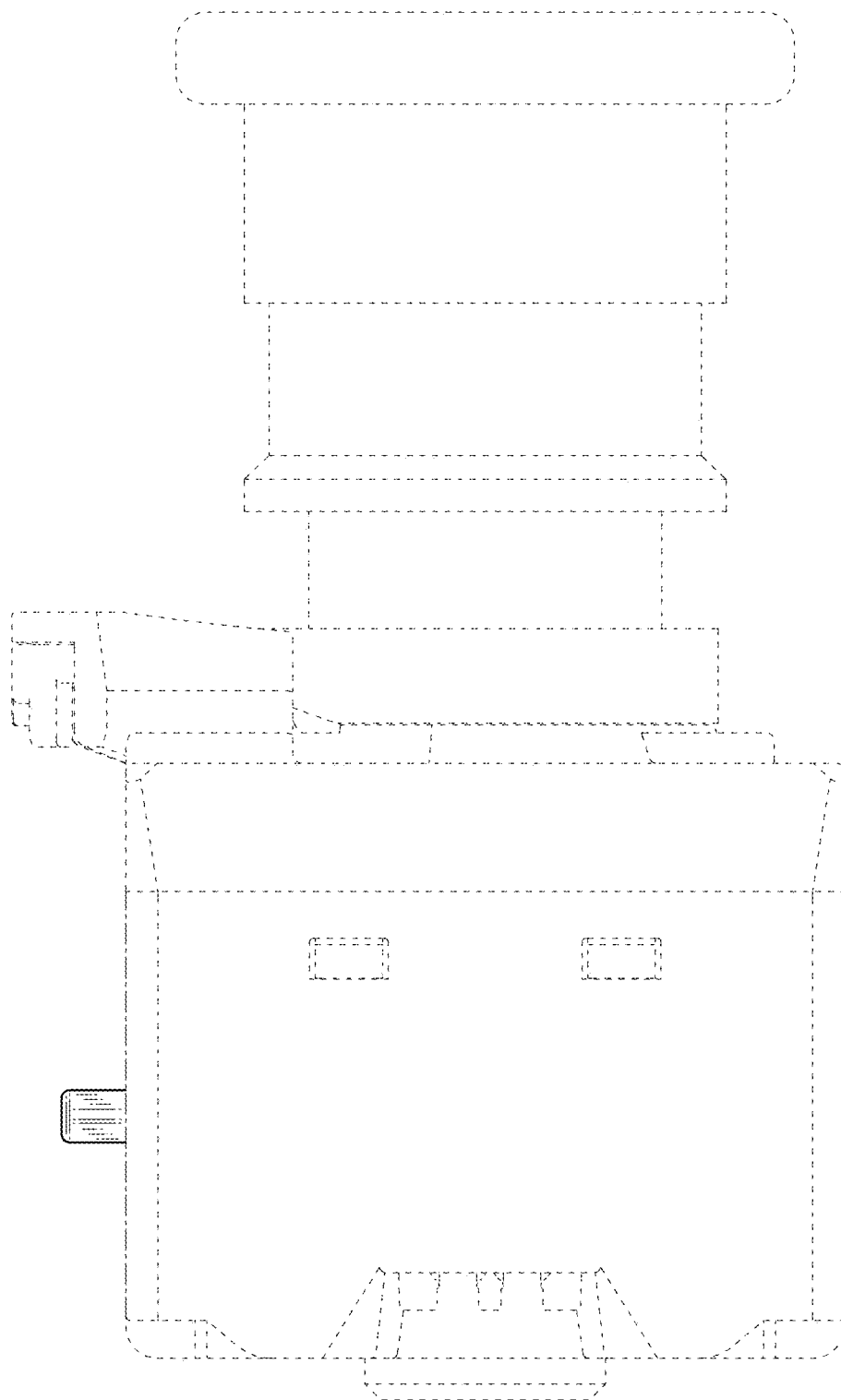


Fig. 5

