

(12) United States Design Patent (10) Patent No.:

Guan

US D1,089,197 S

(45) **Date of Patent:** ** Aug. 19, 2025

(54) SET OF KEYCAPS

(71) Applicant: Shenzhen Lingdianlingyi Technology

Co., Ltd., Shenzhen (CN)

Inventor: Jilei Guan, Shenzhen (CN)

Assignee: Shenzhen Lingdianlingyi Technology

Co., Ltd., Shenzhen (CN)

Term: 15 Years

Appl. No.: 29/855,670 (21)

(22)Filed: Oct. 6, 2022

Foreign Application Priority Data (30)

(CN) 202230329504.3 May 31, 2022 May 31, 2022 (CN) 202230329519.X

(Continued)

USPC **D14/392**; D14/455; D14/456; D14/391

(58)Field of Classification Search

USPC D14/247, 331, 333, 338, 346, 387, D14/390-401, 406, 429, 455-457;

(Continued)

(56)References Cited

U.S. PATENT DOCUMENTS

6/1972 Adelson D13/171 D223.924 S D225,858 S 1/1973 Kline D14/398

(Continued)

FOREIGN PATENT DOCUMENTS

CN CN 304499052 2/2018 * 8/2018 304779840

(Continued)

OTHER PUBLICATIONS

60% Mechanical Keyboard, STOGA, amazon.com, published by STOGA, first available on Oct. 27, 2021 © 1996-2024 Amazon.

com, Inc., online, visited Sep. 20, 2024. URL: https://www.amazon. com/STOGA-Mechanical-Keyboard-keyboaed-Typewriter/dp/ B08XW1VM8G (Year: 2021).*

(Continued)

Primary Examiner — Erich G Herbermann

Assistant Examiner — Altaira J Swangin

(74) Attorney, Agent, or Firm — Jose Cherson Weissbrot

(57)**CLAIM**

The ornamental design for a set of keycaps as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a set of keycaps showing a first embodiment of my new design;

FIG. 2 is a front view of the first embodiment thereof;

FIG. 3 is a back view of the first embodiment thereof;

FIG. 4 is a left side view of the first embodiment thereof;

FIG. 5 is a right side view of the first embodiment thereof;

FIG. 6 is a top view of the first embodiment thereof;

FIG. 7 is a bottom view of the first embodiment thereof;

FIG. 8 is a perspective view of a set of keycaps showing a second embodiment of my new design;

FIG. 9 is a front view of the second embodiment thereof;

FIG. 10 is a back view of the second embodiment thereof;

FIG. 11 is a left side view of the second embodiment thereof; FIG. 12 is a right side view of the second embodiment

FIG. 13 is a top view of the second embodiment thereof;

FIG. 14 Is a bottom view of the second embodiment thereof

FIG. 15 is a perspective view of a set of keycaps showing a third embodiment of my new design;

FIG. 16 is a front view of the third embodiment thereof;

FIG. 17 is a back view of the third embodiment thereof;

FIG. 18 is a left side view of the third embodiment thereof:

FIG. 19 is a right side view of the third embodiment thereof;

FIG. 20 is a top view of the third embodiment thereof;

FIG. 21 is a bottom view of the third embodiment thereof.

FIG. 22 is a perspective view of a set of keycaps showing a

fourth embodiment of my new design;

FIG. 23 is a front view of the fourth embodiment thereof; (Continued)

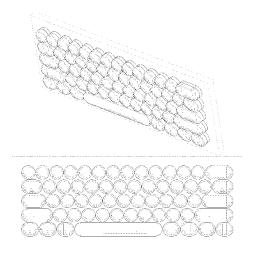


FIG. 24 is a back view of the fourth embodiment thereof;
FIG. 25 is a left side view of the fourth embodiment thereof;
FIG. 26 is a right side view of the fourth embodiment
thereof;

FIG. 27 is a top view of the fourth embodiment thereof; and, FIG. 28 is a bottom view of the fourth embodiment thereof. The broken lines shown in the drawings depict environment on which the set of keycaps is placed and forms no part of the claimed design.

1 Claim, 28 Drawing Sheets

(56) References Cited

U.S. PATENT DOCUMENTS

D281,606	\mathbf{S}	*	12/1985	Nuttall D18/7
D311,171	\mathbf{S}	*	10/1990	Santer D14/392
D358,382	S	*	5/1995	Franz D14/456
D377,337	S	*	1/1997	Schaeffer D13/171
D471,559	S	*	3/2003	De Saulles D14/455
D477,827	S	*	7/2003	Yoneda D14/455
D485,555	S	*	1/2004	Yoneda
D490,077	S	*	5/2004	Lance D14/396
D500,589	S	*	1/2005	Schmitz D3/207
D515,516	S	*	2/2006	Mayo D13/171
D522,513	S	*	6/2006	Lo D14/391
D525,980	\mathbf{S}	*	8/2006	Wang D14/456
D563,963	S	*	3/2008	Rak D14/455
D570,856	S	*	6/2008	Forester D14/456
D574,825	S	*	8/2008	Baker D14/392
D612,844	S	*	3/2010	Andre G06F 1/1616
				D14/315
D656,466	S	*	3/2012	Chu D13/158
D660,846	S	*	5/2012	Moore D14/455
D660,853	S	*	5/2012	Moore D14/455
D667,406	S	*	9/2012	Jitkoff D14/456
D695,293	\mathbf{S}	*	12/2013	Dumont
D729,179	\mathbf{S}	*	5/2015	Cheung D13/171
D738,324	\mathbf{S}	*	9/2015	Zheng D13/158
D738,379	S	*	9/2015	Ganey H01H 13/84
				D14/456
D773,473	S	*	12/2016	Min D14/455
D896,809	S	*	9/2020	Cai D14/392
D902,928	S	*	11/2020	Cai D14/392
10,840,037	В1	*	11/2020	Horiuchi H01H 13/7065
10,886,079	В1	*	1/2021	Li H01H 13/705
D911,336	\mathbf{S}	*	2/2021	Chan D14/392
D916,097	\mathbf{S}	*	4/2021	Lin D14/456
D923,634	\mathbf{S}	*	6/2021	Han D14/456
D926,712	S	*	8/2021	Dimberg D13/174
D931,856	S	*	9/2021	Lin D14/392
11,177,092	В1	*	11/2021	Liu H01H 13/7065
D937,662	S	*	12/2021	Huang D8/347
D940,138	\mathbf{S}	*	1/2022	Oljaca D14/392
11,251,000	В1	*	2/2022	Hsieh H01H 3/125
D959,409	S	*	8/2022	Desagre D14/218
ŕ				

11,404,224	B1*	8/2022	Yu H01H 13/70
D967,783	S *	10/2022	Dimberg D13/174
D971,226	S *	11/2022	Ding D14/455
D976,260	S *	1/2023	Ehrenberg D14/392
D978,147	S *	2/2023	Idemudia D14/391
D1,011,355	S *	1/2024	He D14/456
D1,025,064	S *	4/2024	Lin D14/392
D1,025,085	S *	4/2024	Qin D14/455
D1,038,128	S *	8/2024	Wu D14/391
RE50,390	Ē *	4/2025	Ehrenberg D14/392
2001/0030613	A1*	10/2001	Ideura G06F 3/023
		10,2001	341/23
2002/0015609	Δ1*	2/2002	Webber H01H 13/807
2002/0015005	711	2/2002	400/489
2003/0099497	A 1 *	5/2003	Zhang G06F 3/0216
2003/0099497	AI	3/2003	400/472
2006/0062626	414	2/2006	
2006/0062626	AlŤ	3/2006	Hamilton G06F 1/1664
2014/0151200		6/2011	400/490
2014/0151209	Al*	6/2014	Chou H01H 13/705
			200/5 A
2014/0339064	A1*	11/2014	Chang H01H 3/125
			200/344
2014/0341630	A1*	11/2014	Bedolla G06F 3/0219
			400/490
2015/0107979	A1*	4/2015	Nishino H01H 13/705
			200/344
2018/0053610	A1*	2/2018	Liu H01H 13/83
2019/0318891	A1*	10/2019	Yen H01H 13/83
2019/0354142	A1*	11/2019	Chen G06F 3/0202
2020/0035426	A1*	1/2020	Weng H01H 13/7065
2020/0051760	A1*	2/2020	Lin H01H 3/125
2020/0051761	A1*	2/2020	Hsieh H01H 13/83
2020/0365349	A1*	11/2020	Chen H01H 13/7057
2020/0381195	A1*	12/2020	Hsieh H01H 13/14
2022/0246371	A1*	8/2022	Ku H01H 13/705
2022/0357502	A1*	11/2022	Chen
2023/0082334	A1*	3/2023	Wong C08L 67/04
2020/000200		0.2020	428/221
2023/0253168	A1*	8/2023	Crespo H01H 13/04
2023/0233100	431	0/2023	200/345
2024/0021383	A 1 *	1/2024	Aurongzeb G06F 1/1662
2024/0021383	A1 '	1/2024	Autoligzeu Goor 1/1002

FOREIGN PATENT DOCUMENTS

CN	306162019	*	11/2020
CN	306210398	*	12/2020
CN	307543726	*	9/2022
KR	300692079.0000	*	5/2013
KR	300692080.0000	*	5/2013
KR	300722548.0000	*	12/2013
KR	3020220001347	*	11/2022
RU	00077008	*	12/2010

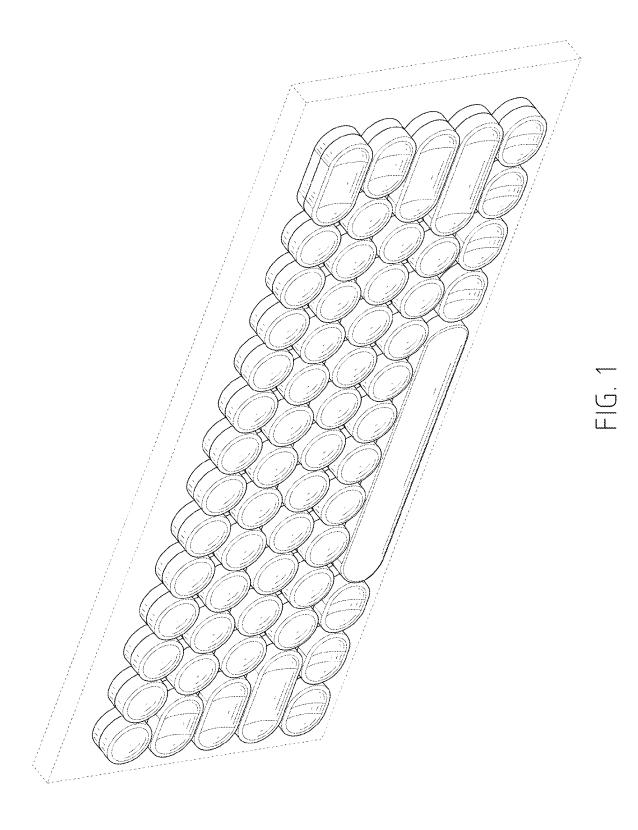
OTHER PUBLICATIONS

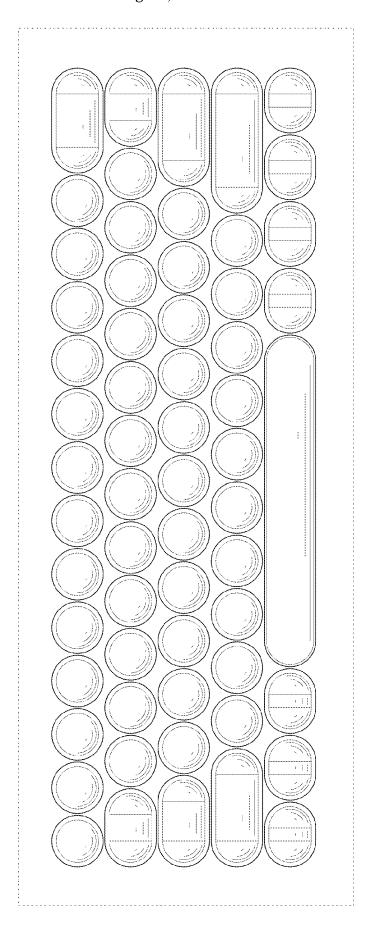
K624 Pro Mechanical Gaming Keyboard, Redragon, amazon.com, published by Redragon, first available on Aug. 4, 2021 © 1996-2024 Amazon.com, Inc., online, visited Sep. 20, 2024. URL: https://www.amazon.com/REDRAGON-Wireless-Bluetooth-Mechanical-Keyboard/dp/B09BY2XX9R (Year: 2021).*

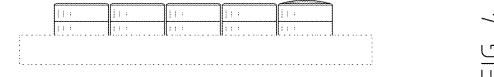
Q4 Wired Custom Mechanical Keyboard, Keychron, amazon.com, published by Keychron, first available on Aug. 27, 2021 © 1996-2024 Amazon.com, Inc., online, visited Sep. 20, 2024. URL: https://www.amazon.com/Keychron-Mechanical-Programmable-Hot-Swappable-Compatible/dp/B09DRWW8C5/ (Year: 2021).*

Mini 60% Mechanical Gaming Keyboard, Nacodex, amazon.com, published by Nacodex, first available on Apr. 14, 2022 © 1996-2025 Amazon.com, Inc., online, visited Jan. 9, 2024. URL: https://www.amazon.com/NACODEX-Mini-Mechanical-Gaming-Keyboard/dp/B09131ZQX4?th=1 (Year: 2022).*

^{*} cited by examiner





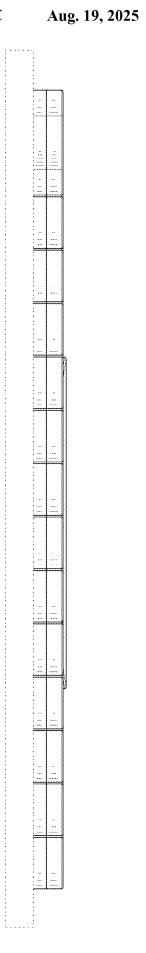


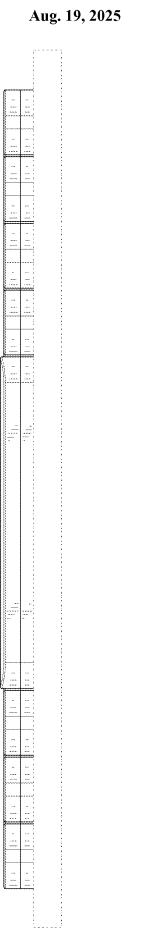
Aug. 19, 2025

Sheet 5 of 28

US D1,089,197 S







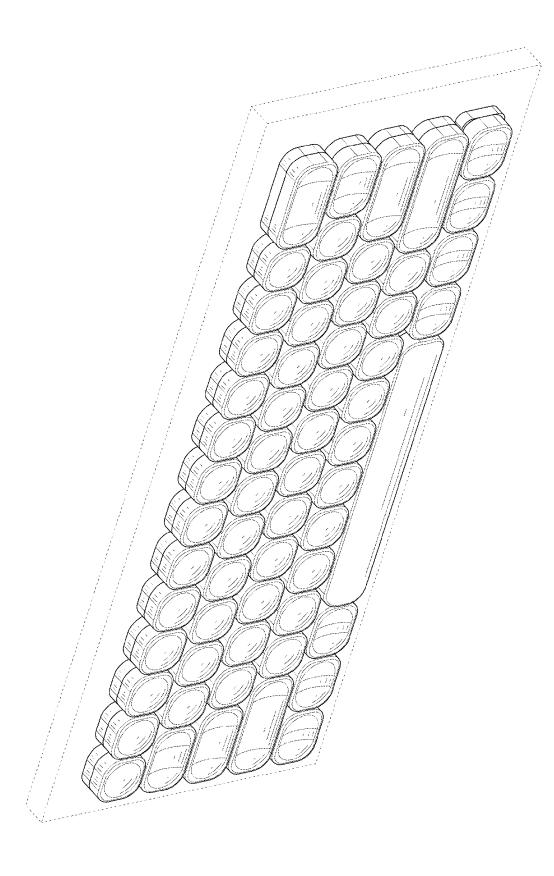
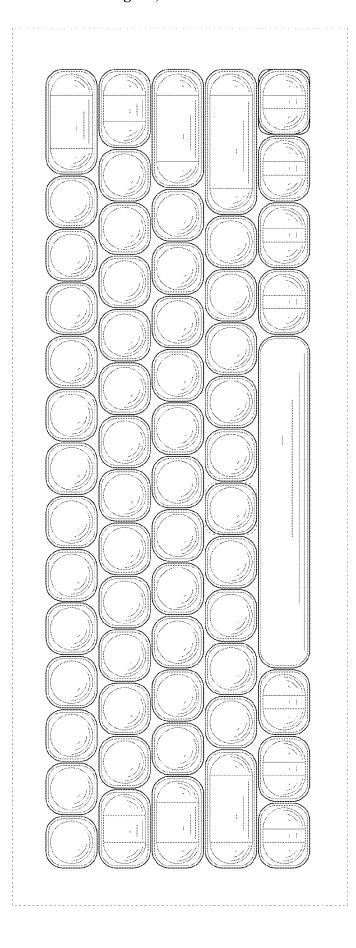
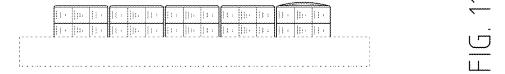


FIG. 8

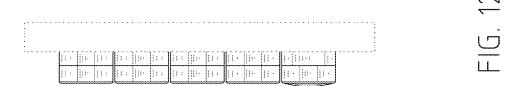


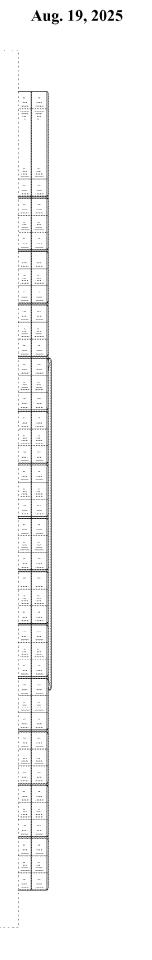


Aug. 19, 2025

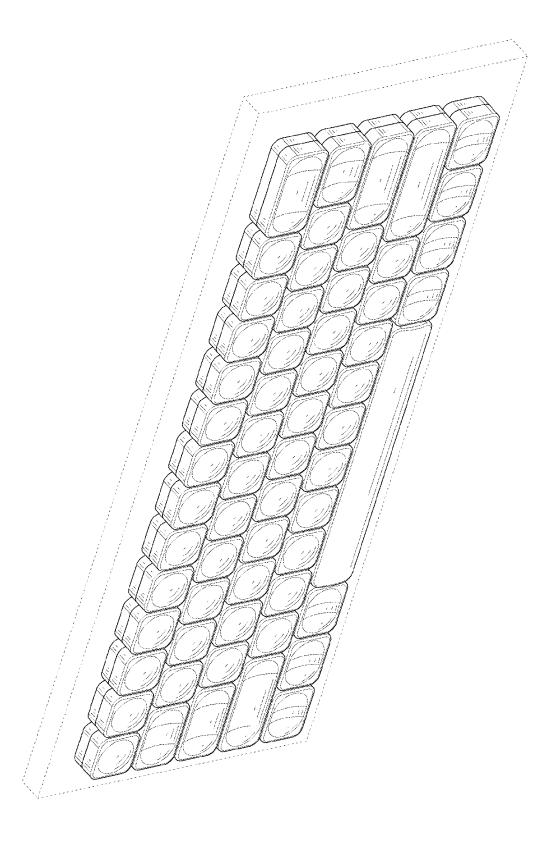
Sheet 12 of 28

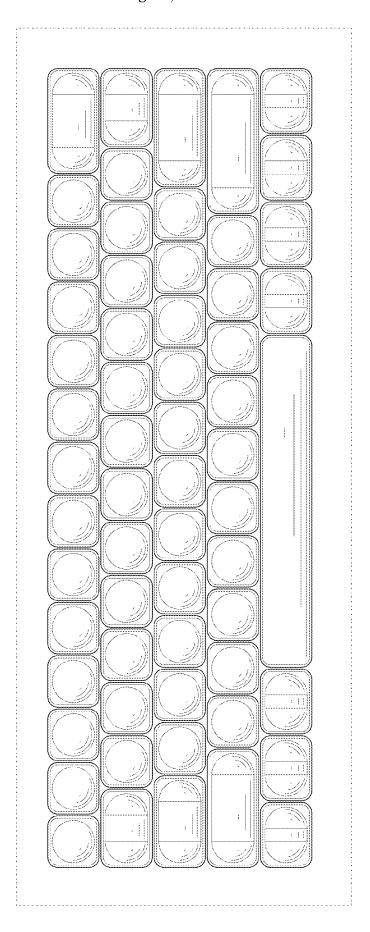
US D1,089,197 S

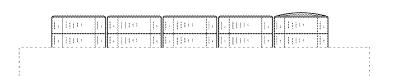












HG. 38



	7.55
-	=
=	-
	-

-	
	=
=	-
	-
-	-
	=
	-
_	_
	Ξ
-	-
=	Ē
~~~~	
- 1	-
	=
	-
	-
	-



16, 21

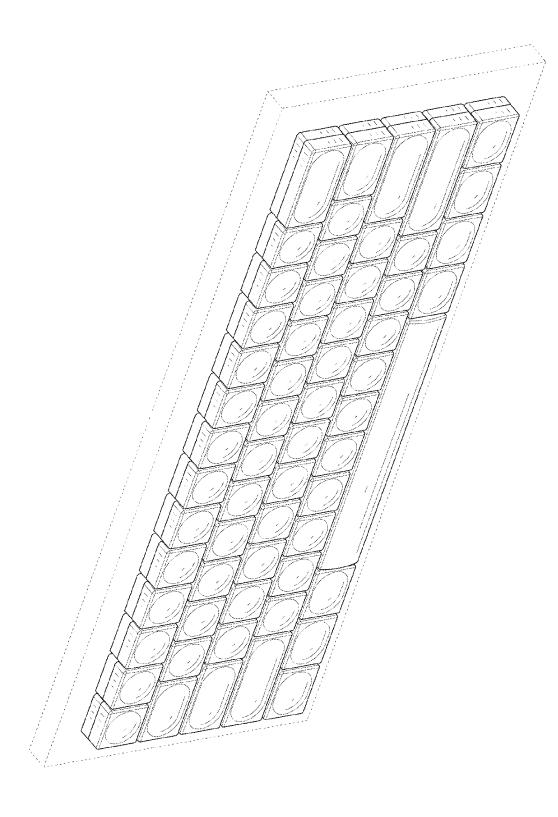
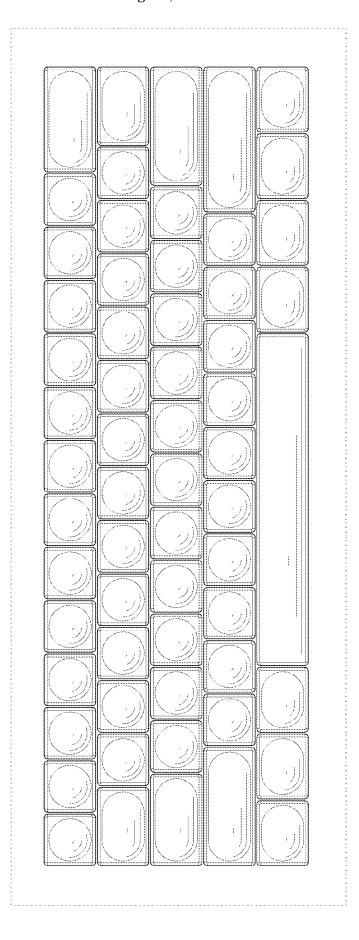
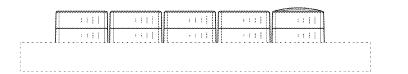


FIG. 22





Aug. 19, 2025



