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**Min et al.**

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(54) **INPUT UNIT OF AN ELECTRONIC LOCK**

(71) Applicant: **NANJING EASTHOUSE ELECTRICAL CO., LTD.**, Nanjing (CN)

(72) Inventors: **Hao Min**, Nanjing (CN); **Zhangping Gong**, Nanjing (CN)

(73) Assignee: **NANJING EASTHOUSE ELECTRICAL CO., LTD.**, Nanjing (CN)

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(52) **U.S. Cl.**

USPC ..... **D14/384**; D8/330

(58) **Field of Classification Search**

USPC ..... D14/356–358, 383–385, 388, 389, 390, D14/399, 420, 432, 454, 217, 218, 299; D13/123, 162, 162.1, 171–174, 184; D10/46, 104.1, 106.1, 106.95, 83, 81; D8/301, 330, 331, 343, 346; D99/43, 99  
CPC ..... G07C 9/00039; G07C 9/00103; G07C 9/00904; G06K 5/00; G06K 7/01

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D253,843 S \* 1/1980 Fernandez ..... D23/245  
D269,697 S \* 7/1983 Graham ..... D13/184  
D269,996 S \* 8/1983 Smith et al. .... D23/245  
D273,786 S \* 5/1984 Owerko ..... D13/168  
D288,317 S \* 2/1987 Yuen ..... D14/137  
D289,431 S \* 4/1987 Clivio ..... D23/246  
D298,921 S \* 12/1988 Berry, Sr. .... D10/41  
D299,905 S \* 2/1989 Fish ..... D8/331  
D305,861 S \* 2/1990 Kautt ..... D8/330

D308,863 S \* 6/1990 Soren ..... D14/384  
D309,891 S \* 8/1990 Cheng ..... D13/158  
D313,233 S \* 12/1990 Andrews, Sr. .... D14/140  
D313,362 S \* 1/1991 Reich ..... D10/106.1  
D328,297 S \* 7/1992 Ayers ..... D14/171  
D330,521 S \* 10/1992 Krolopp ..... D10/46  
D333,633 S \* 3/1993 Issa ..... D10/106.1  
D348,445 S \* 7/1994 Fishbine ..... D14/384  
D351,803 S \* 10/1994 Foley ..... D10/78  
D367,270 S \* 2/1996 Levering ..... D14/384

(Continued)

**OTHER PUBLICATIONS**

Nitgen Fingkey Access—Biometric Access Control System. (Online) 5 pgs. Available as early as Oct. 3, 2012. [Retrieved Mar. 10, 2020] <https://www.bayometric.com/nitgen-fingkey-access-biometric-access-control-system/>.\*

(Continued)

*Primary Examiner* — Marie D. Fast Horse

(74) *Attorney, Agent, or Firm* — Ming Jiang; MM IP Services LLC

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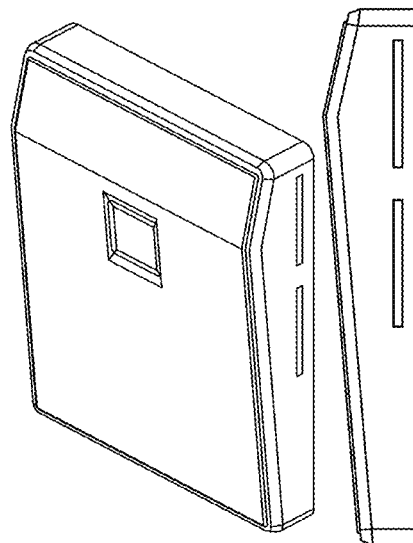
**CLAIM**

We claim the ornamental design for input unit of an electronic lock, as shown and described.

**DESCRIPTION**

FIG. 1 is a right side, top perspective view of the input unit of an electronic lock embodying our design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a right elevation view thereof; FIG. 5 is a left elevation view thereof; FIG. 6 is a top elevation view thereof; and, FIG. 7 is a bottom elevation view thereof. The broken line in the drawing FIG. 3 depicts part of the input unit of an electronic lock that forms no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

D382,948	S *	8/1997	Veal	D14/218
D389,817	S *	1/1998	Umetsu	D14/384
D393,837	S *	4/1998	Umetsu	D14/384
D425,881	S *	5/2000	Borza	D14/384
D457,144	S *	5/2002	Suen	D13/162
D457,821	S *	5/2002	Amborn	D10/49
D472,359	S *	3/2003	Green	D34/35
D478,905	S *	8/2003	Byrne	D14/384
D479,032	S *	8/2003	Mitchell	D99/43
D487,266	S *	3/2004	Morimiya	D14/384
D516,069	S *	2/2006	Kuroda	D14/384
D529,904	S *	10/2006	Yeo	D14/240
D535,992	S *	1/2007	Ozolins	D14/383
D551,057	S *	9/2007	Min	D8/330
D554,606	S *	11/2007	Kimura	D14/168
D563,252	S *	3/2008	Minta	D10/104.1
D569,286	S *	5/2008	Noda	D10/81
D584,695	S *	1/2009	Hilsbos	D13/168
D584,730	S *	1/2009	Lin	D14/383
D593,559	S *	6/2009	Lin	D14/384
D598,396	S *	8/2009	Lee	D13/162
D602,021	S *	10/2009	Noda	D14/383
D614,475	S *	4/2010	Min	D8/331
D616,947	S *	6/2010	Kloster	D21/333
D674,785	S *	1/2013	Kyriakides, II	D14/240
D679,986	S *	4/2013	Hsieh	D8/330
D682,659	S *	5/2013	Genord	D8/330
D698,222	S *	1/2014	Guo	D8/330
D699,614	S *	2/2014	Ke	D10/106.95
D699,615	S *	2/2014	Ke	D10/106.95
D718,307	S *	11/2014	Ozolins	D14/383
D727,901	S *	4/2015	Nishimura	D14/383
D728,675	S *	5/2015	Daniel	D14/383
D730,715	S *	6/2015	Gokcebay	D8/330
D741,328	S *	10/2015	Li	D14/384
D741,862	S *	10/2015	Beroukhim	D14/384
D742,332	S *	11/2015	Matsuguma	D13/162
D750,978	S *	3/2016	van Slooten	D10/41
D764,891	S *	8/2016	Gokcebay	D8/330
D770,451	S *	11/2016	Gilbertson	D14/383
D782,479	S *	3/2017	Bruno	D14/384
D789,173	S *	6/2017	Min	D8/330
D790,956	S *	7/2017	Hetfield	D8/330
D791,133	S *	7/2017	Brownlee	D14/384
D793,969	S *	8/2017	Couture	D13/168
D794,414	S *	8/2017	Chou	D8/330
D811,852	S *	3/2018	Xin	D8/331
D812,054	S *	3/2018	Bierach	D14/383
D812,616	S *	3/2018	Potash	D14/383
D815,389	S *	4/2018	Hu	D99/43
D817,148	S *	5/2018	Carpintero	D8/331
D832,076	S *	10/2018	Gokcebay	D8/331
D832,783	S *	11/2018	Leabman	D13/108
D838,271	S *	1/2019	Kaneko	D14/384
D839,874	S *	2/2019	Biesart	D14/383
D860,143	S *	9/2019	Wolf	D13/162
D865,765	S *	11/2019	Min	D14/384
D883,282	S *	5/2020	Tatic	D14/383
2006/0255907	A1 *	11/2006	Min	G06K 9/00013 340/5.53

## OTHER PUBLICATIONS

Control panel (CN 305055096). (Design—© Questel) orbit.com. [online PDF] 4 pgs. Print Date Mar. 1, 2019. [retrieved Mar. 10, 2020] <https://www.orbit.com/export/QPTUJ214/pdf2/c041c91d-23b8-44cc-96e7-3c784bffb004-163150.pdf>.\*

\* cited by examiner

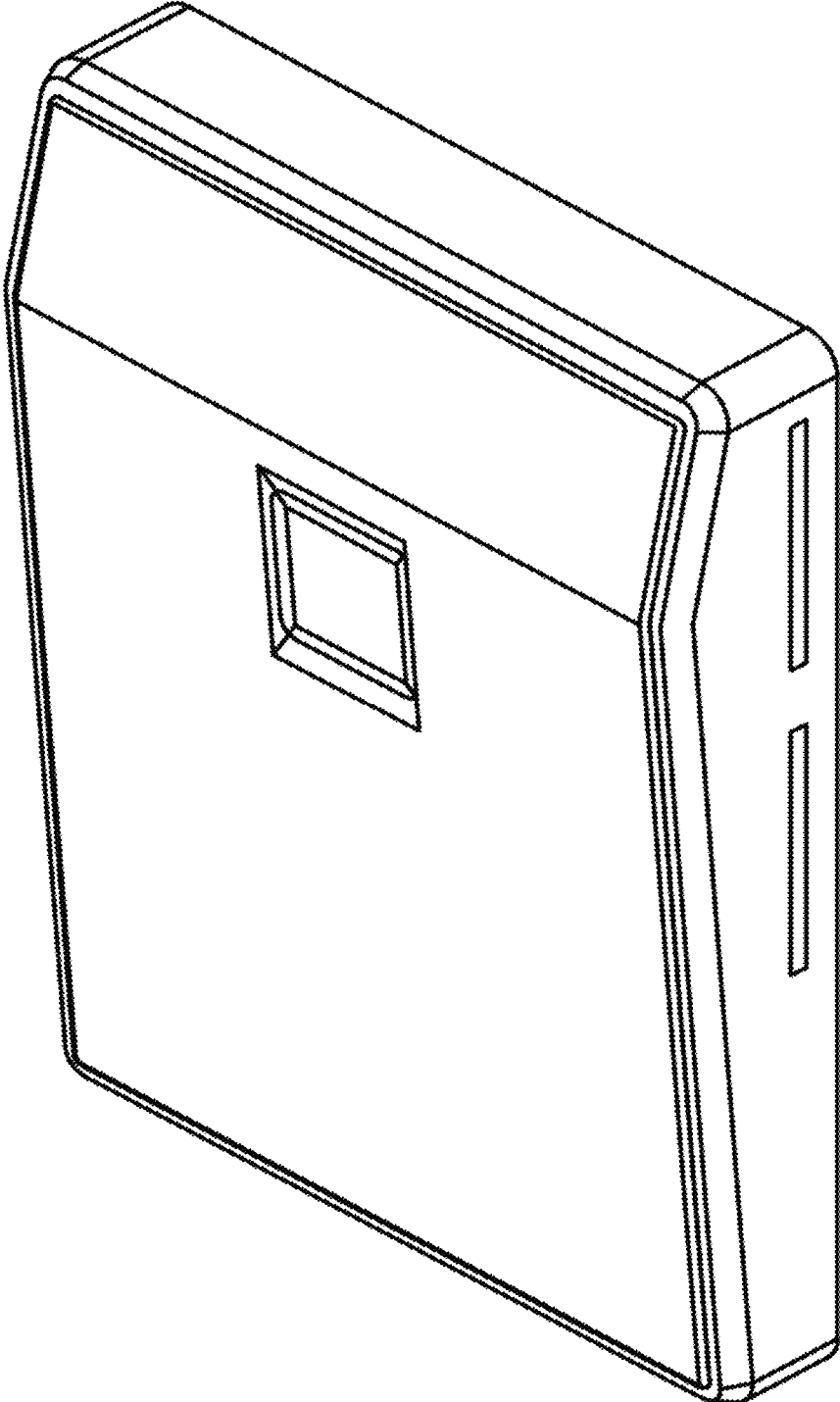


FIG. 1

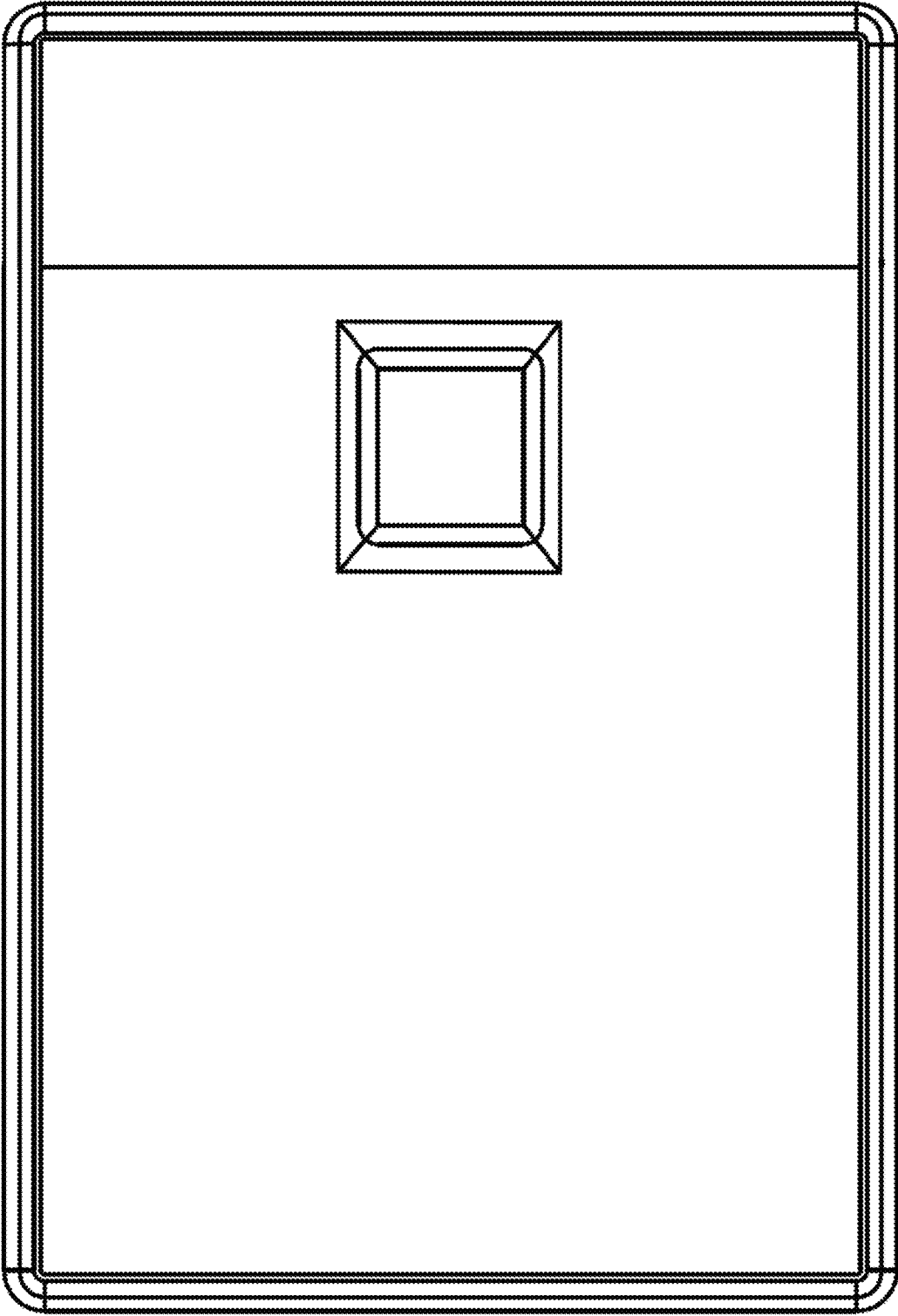
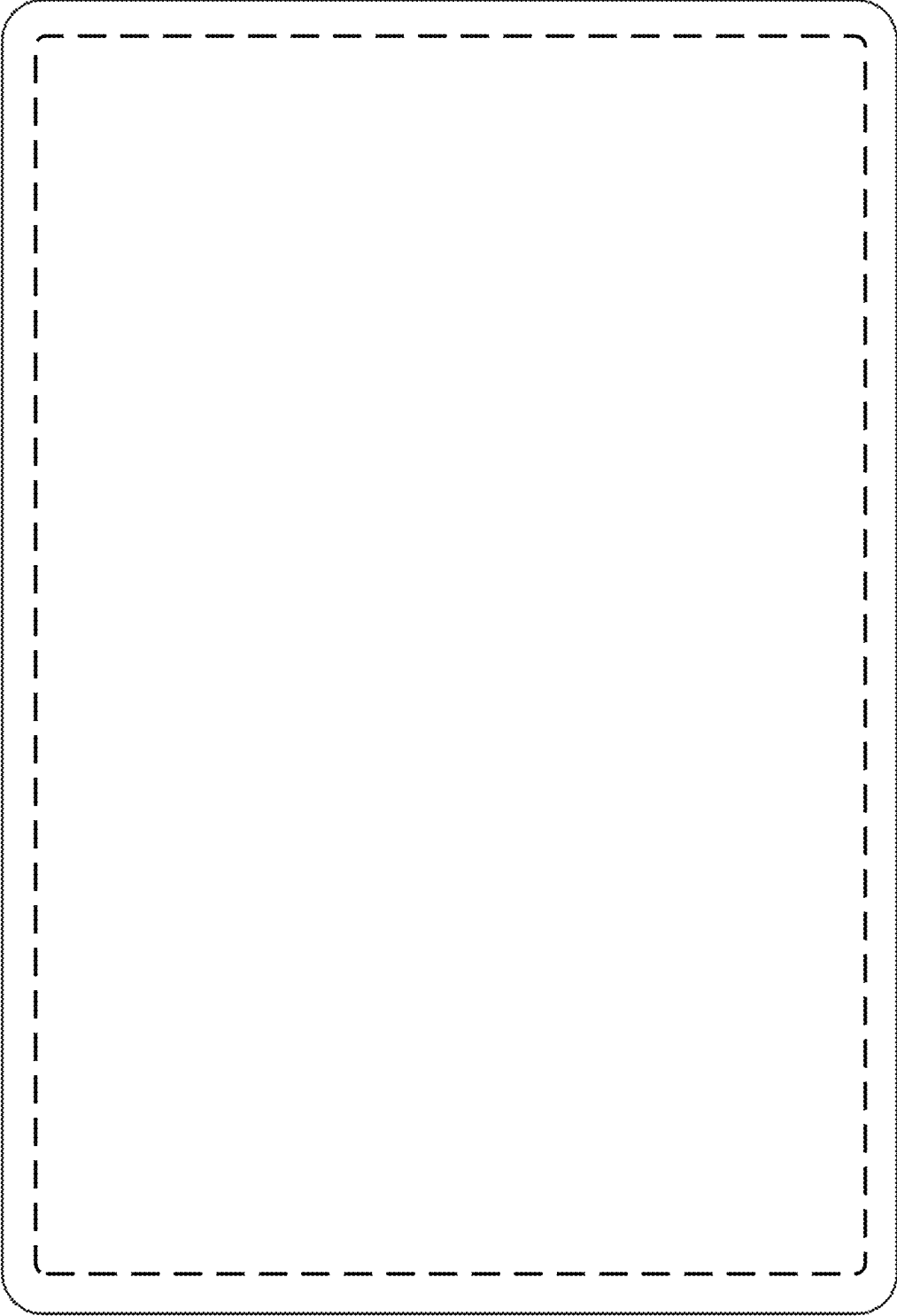
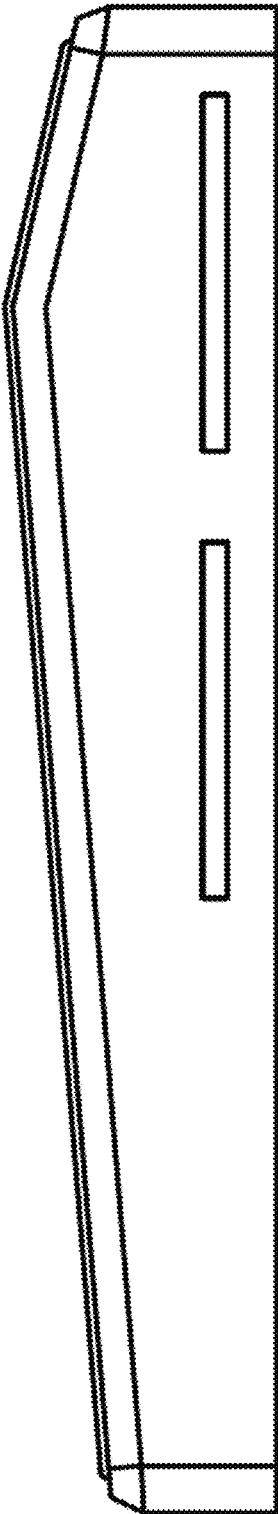


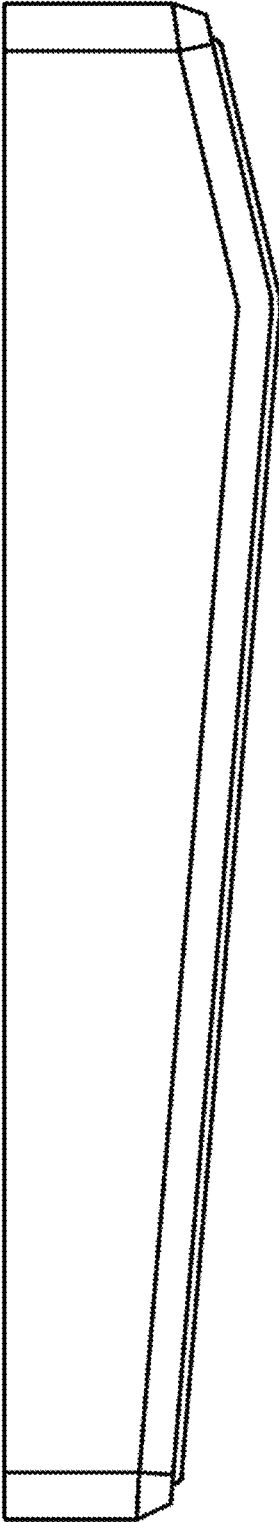
FIG. 2



**FIG. 3**



**FIG. 4**



**FIG. 5**



FIG. 6

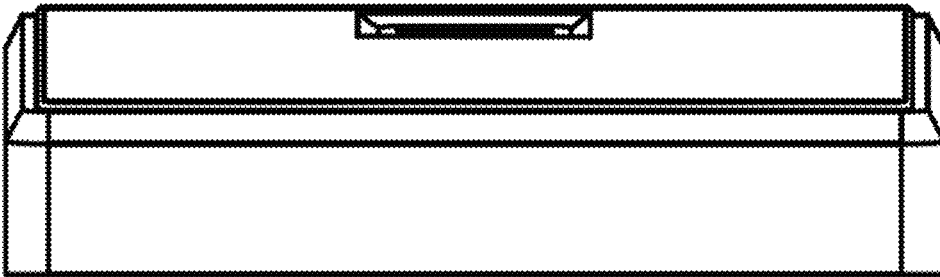


FIG. 7