US00D800678S

(12) United States Design Patent

Omori

(10) Patent No.: US D800,678 S
(45) Date of Patent: ** Oct. 24, 2017

(54) **LIGHT EMITTING DIODE**

(71) Applicants: **CITIZEN ELECTRONICS CO., LTD.**, Fujiyoshida-shi, Yamanashi (JP); **CITIZEN WATCH CO., LTD.**, Tokyo (JP)

(72) Inventor: **Yuji Omori**, Fujiyoshida (JP)

(73) Assignees: **CITIZEN ELECTRONICS CO., LTD.**, Fujiyoshida-Shi, Yamanashi (JP); **CITIZEN WATCH CO., LTD.**, Tokyo (JP)

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

(21) Appl. No.: **29/582,656**

(22) Filed: **Oct. 28, 2016**

(30) **Foreign Application Priority Data**

Apr. 28, 2016 (JP) 2016-009427

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/180**

(58) **Field of Classification Search**
USPC D13/180; D26/1
CPC ... H01L 25/167; H01L 25/0753; H01L 27/15; H01L 27/156; H01L 31/02; H01L 33/00; H01L 33/04; H01L 33/08; H01L 33/10; H01L 33/20; H01L 33/38; H01L 33/42; H01L 33/48; H01L 33/62; H01L 33/483; H01L 33/486; F21K 9/00; F21K 9/30; F21K 9/54
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

7,081,661	B2 *	7/2006	Takehara	H01L 23/3121	257/433
D584,246	S *	1/2009	Low	D13/180	
D641,098	S	7/2011	Wildner		
D646,644	S *	10/2011	Chen	D13/180	
D646,645	S *	10/2011	Chen	D13/180	
D646,646	S *	10/2011	Chen	D13/180	
D658,601	S	5/2012	Egawa et al.		
D660,813	S	5/2012	Otaki et al.		
8,648,365	B2 *	2/2014	Won	H01L 25/167	257/98
D728,491	S	5/2015	Nakabayashi et al.		
D733,958	S *	7/2015	Howe	D26/120	
D763,206	S *	8/2016	Lin	D13/180	
9,455,388	B2 *	9/2016	Kim	H01L 25/167	
D772,181	S *	11/2016	Lee	D13/180	
D777,122	S	1/2017	Bergmann et al.		
D778,848	S *	2/2017	Blakely	D13/180	

(Continued)

FOREIGN PATENT DOCUMENTS

JP	1411393	S	4/2011
JP	1420369	S	8/2011

(Continued)

Primary Examiner — Selina Sikder
(74) *Attorney, Agent, or Firm* — Procopio, Cory, Hargreaves & Savitch LLP

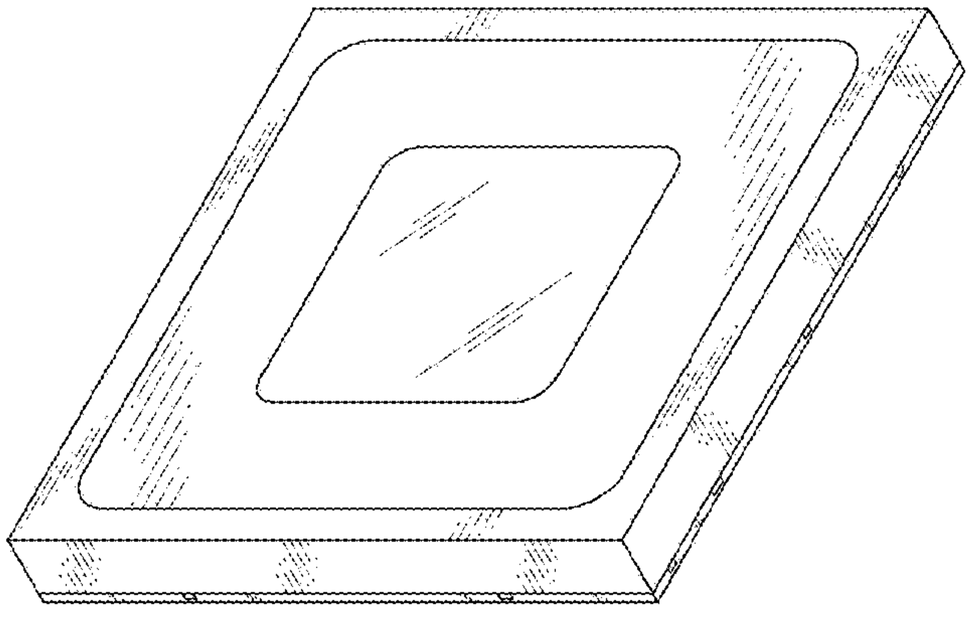
(57) **CLAIM**

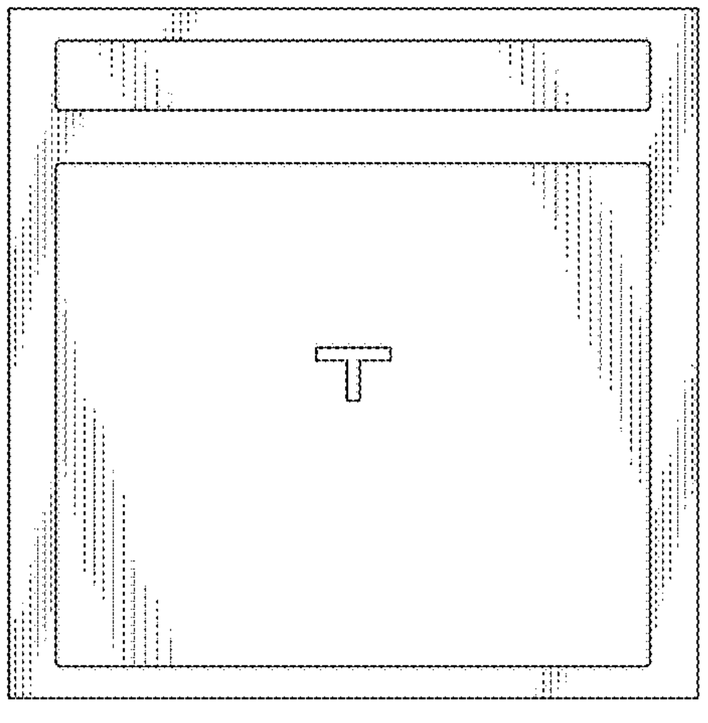
The ornamental design for a light emitting diode, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a light emitting diode showing my new design;
FIG. **2** is a top plan view thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a front elevational view thereof;
FIG. **5** is a rear elevational view thereof;
FIG. **6** is a left side elevational view thereof; and,
FIG. **7** is a right side elevational view thereof.

1 Claim, 4 Drawing Sheets





(56) **References Cited**

U.S. PATENT DOCUMENTS

D778,849	S *	2/2017	Maruyama	D13/180
D782,425	S *	3/2017	Ko	D13/180
2006/0131600	A1 *	6/2006	Nakaoka	G01J 1/04 257/99
2013/0277701	A1 *	10/2013	Okabe	H01L 33/38 257/98
2015/0060897	A1 *	3/2015	Min	H01L 33/60 257/88
2015/0349224	A1 *	12/2015	Ichihara	H01L 33/62 257/89
2016/0133610	A1 *	5/2016	Reiherzer	H01L 25/0753 257/98

FOREIGN PATENT DOCUMENTS

JP	1467737	S	4/2013
JP	1532634	S	9/2015
KR	30-0523331	S	3/2009

* cited by examiner

FIG. 1

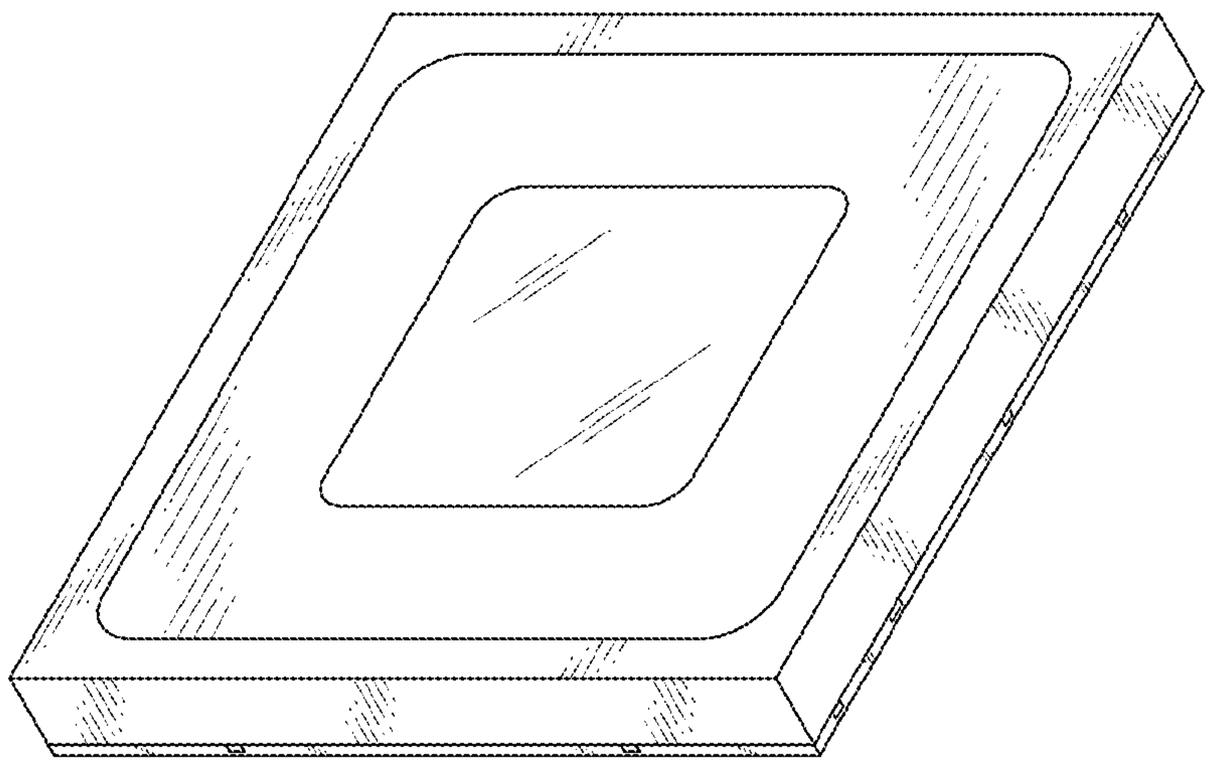


FIG. 2

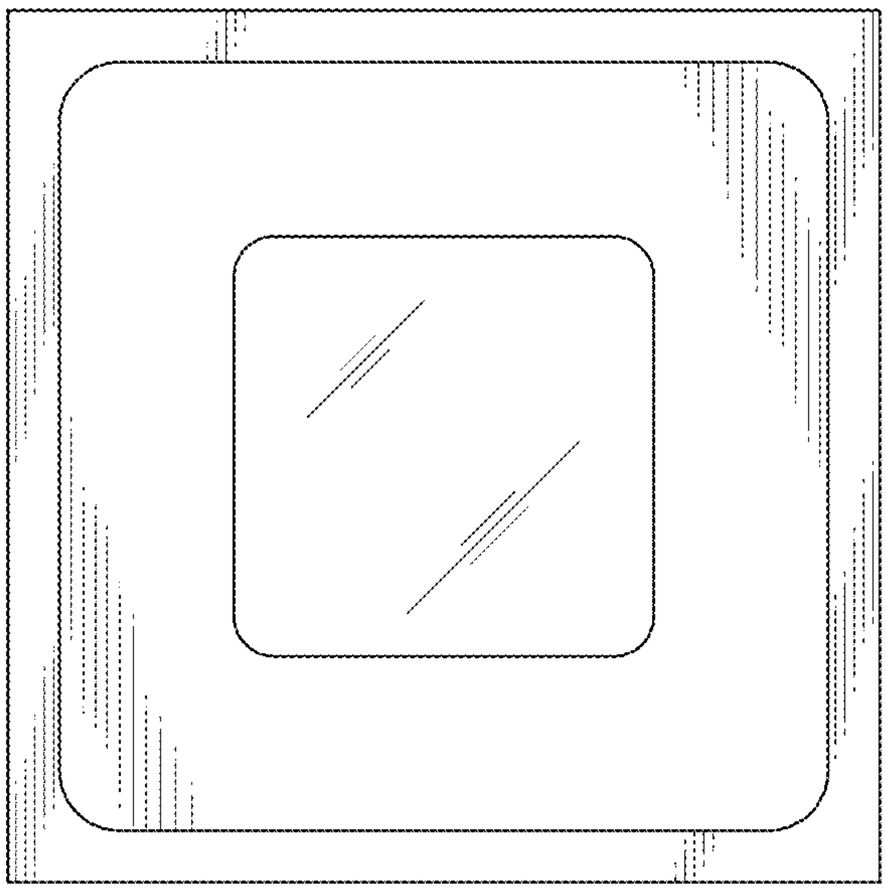


FIG. 3

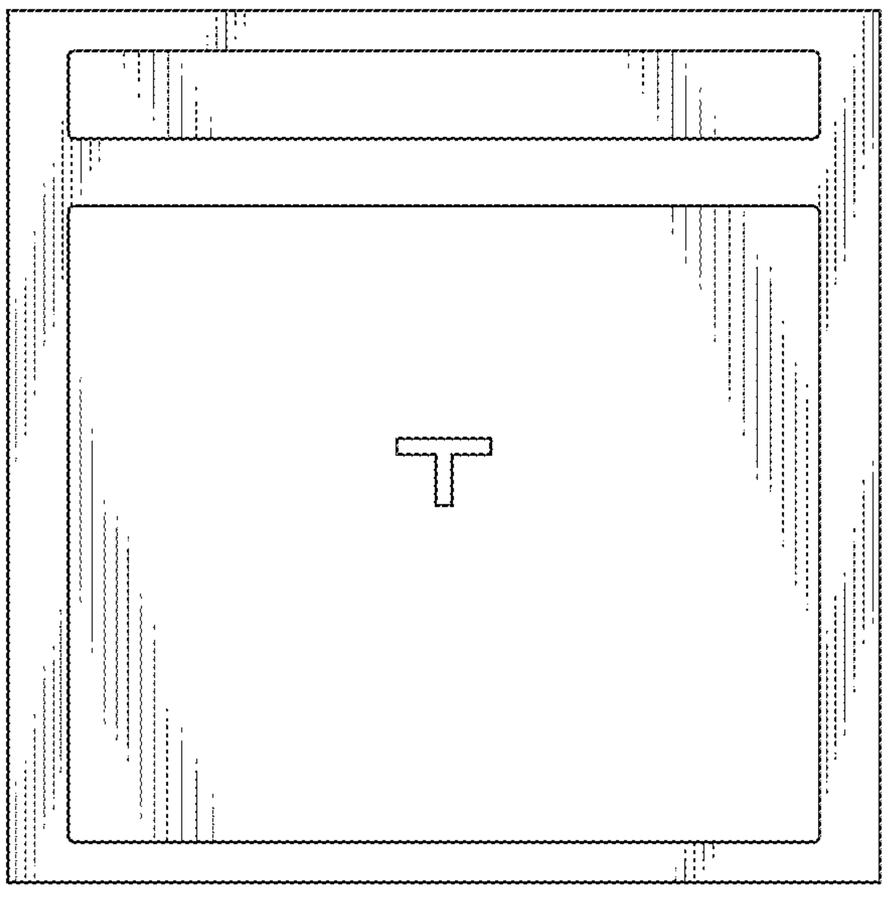


FIG. 4

FIG. 5

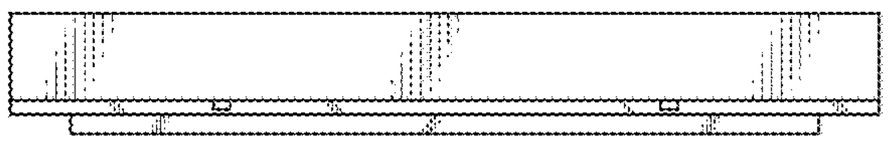


FIG. 6

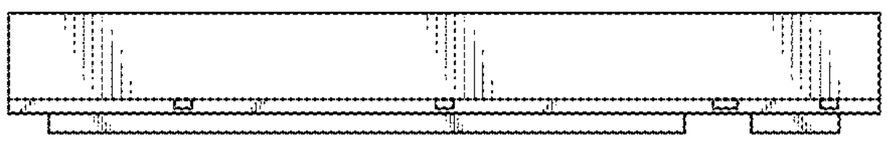


FIG. 7