

US00D919582S

(12)

United States Design Patent

Choi et al.

(10) Patent No.:

US D919,582 S

(45) Date of Patent:

** May 18, 2021

(54)

LIGHT EMITTING DIODE PACKAGE

(71)

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(72)

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(**)

Term: 15 Years

(21)

Appl. No.: 35/506,555

(22)

Filed: Oct. 12, 2018

(80)

Hague Agreement Data

Int. Filing Date: Oct. 12, 2018

Int. Reg. No.: DM/103808

Int. Reg. Date: Oct. 12, 2018

Int. Reg. Pub. Date: Apr. 12, 2019

(30)

Foreign Application Priority Data

Apr. 13, 2018 (KR) 30-2018-0017540

(51)

LOC (13) Cl. 13-03

(52)

U.S. Cl.
USPC D13/180

(58)

Field of Classification Search

USPC D10/106.1, 114.4; D13/180, 182;
D26/2, 25, 35, 74, 80, 81

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 33/483; H01L 33/486;
F21S 43/14; F21S 43/145; F21S 43/15;
F21S 43/20

See application file for complete search history.

(56)

References Cited

U.S. PATENT DOCUMENTS

D476,960 S * 7/2003 Fukasawa D13/182

D548,704 S * 8/2007 Wu D13/180

D565,514 S * 4/2008 Cho D13/180

D590,354 S * 4/2009 Tsuchiya D13/180

D591,247 S * 4/2009 Miyashita D13/180

D606,936 S * 12/2009 Nakayama D13/110

D619,111 S * 7/2010 Wu D13/180

D623,611 S * 9/2010 Okuwaki D13/180

D628,166 S * 11/2010 Okuwaki D13/180

D647,068 S * 10/2011 Okuwaki D13/180

D647,865 S * 11/2011 Miyashita D13/180

D661,263 S * 6/2012 Okuwaki G02B 6/0073
D13/180

D662,903 S * 7/2012 Kobayakawa D13/180

D664,106 S * 7/2012 Kobayakawa D13/180

D669,042 S * 10/2012 Kanemaru D13/180

D669,043 S * 10/2012 Kamijo D13/180

D697,877 S * 1/2014 Hsu D13/180

9,406,852 B2 * 8/2016 Nakabayashi H01L 33/642

D786,203 S * 5/2017 Ide D13/180

9,741,907 B2 * 8/2017 Oh H01L 33/486

D797,688 S * 9/2017 Tanaka D13/180

D843,957 S * 3/2019 Liu D13/180

D854,713 S * 7/2019 Liu D26/1

D865,226 S * 10/2019 Liu D26/1

(Continued)

Primary Examiner — Robert M. Spear

(57)

CLAIM

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

DESCRIPTION

1. Light emitting diode package

1.1 : Perspective

1.2 : Front

1.3 : Back

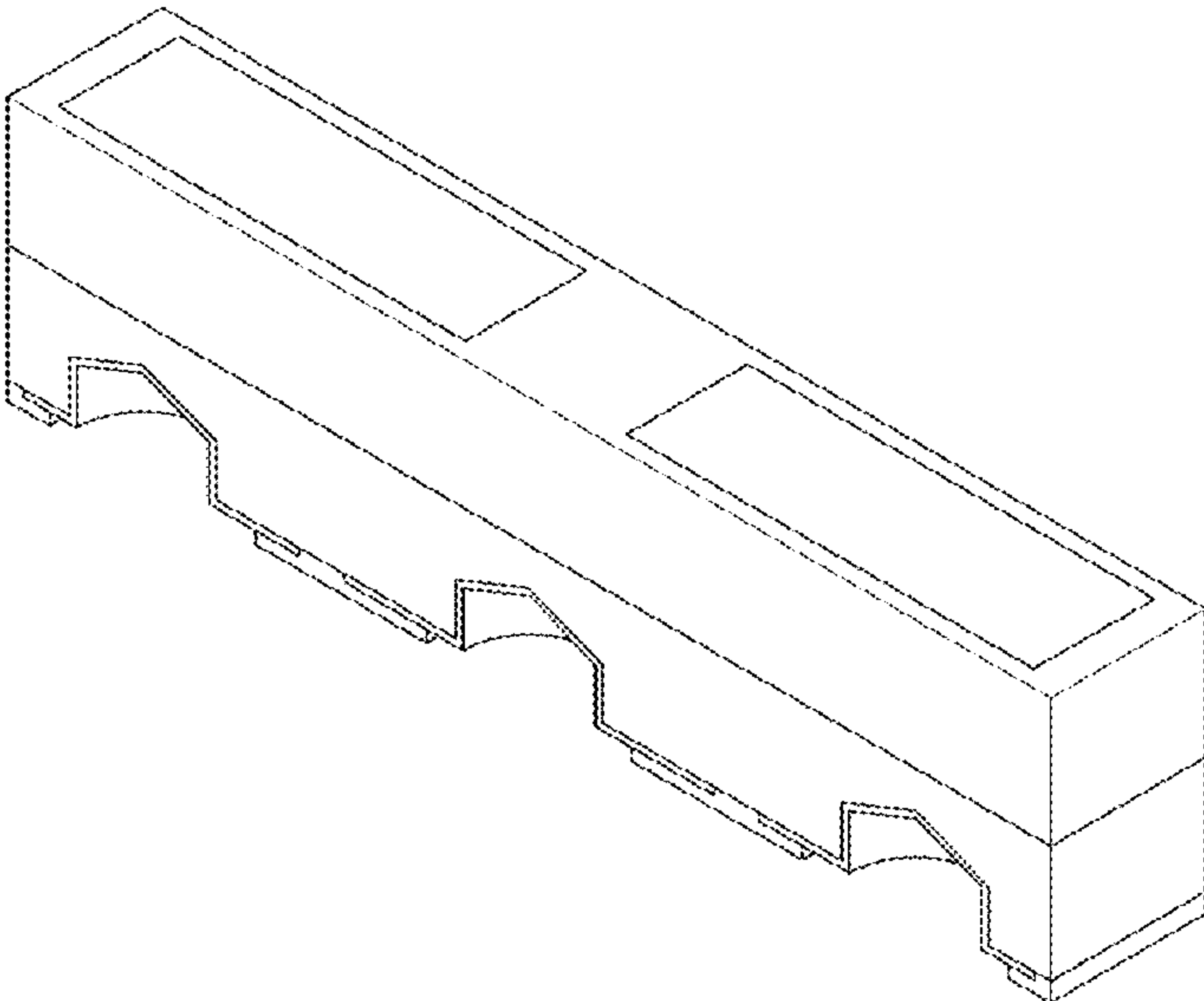
1.4 : Left

1.5 : Right

1.6 : Top

1.7 : Bottom

1 Claim, 7 Drawing Sheets



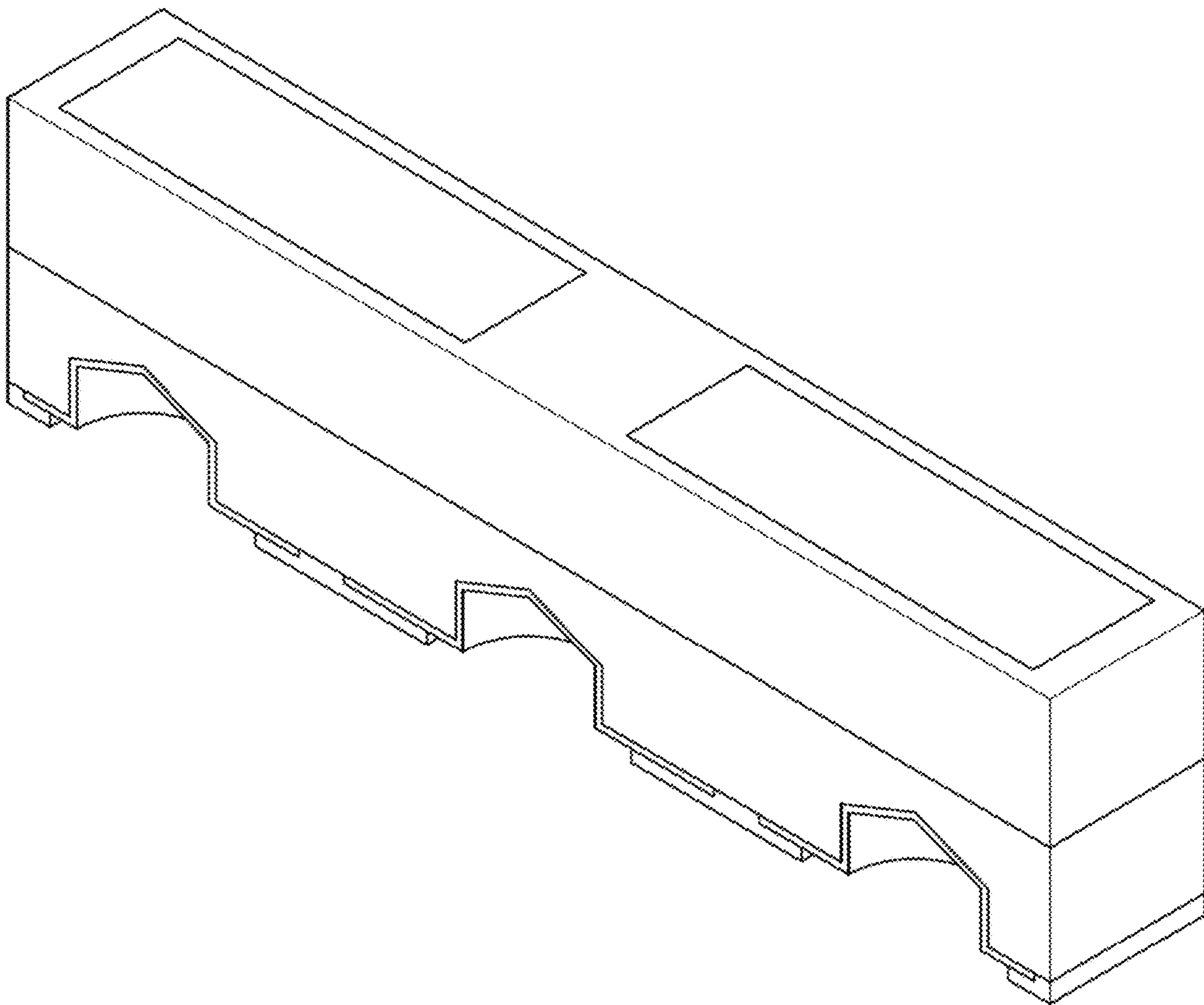
(56) **References Cited**

U.S. PATENT DOCUMENTS

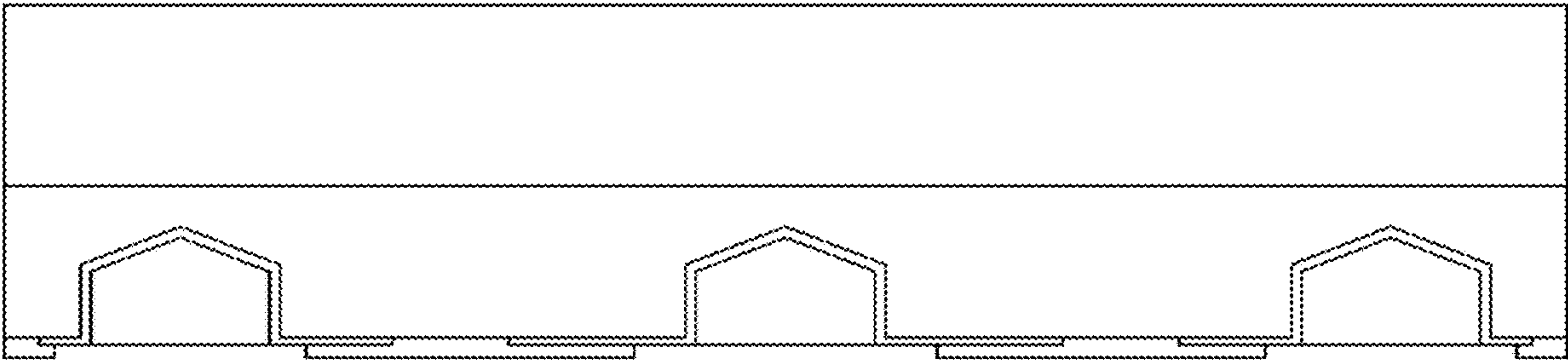
D865,687 S	*	11/2019	Oh		H01L 33/486
					D13/180
2007/0114555 A1	*	5/2007	Takemoto		G02B 6/0073
					257/99
2016/0300987 A1	*	10/2016	Sanga		H01L 33/38

* cited by examiner

1.1



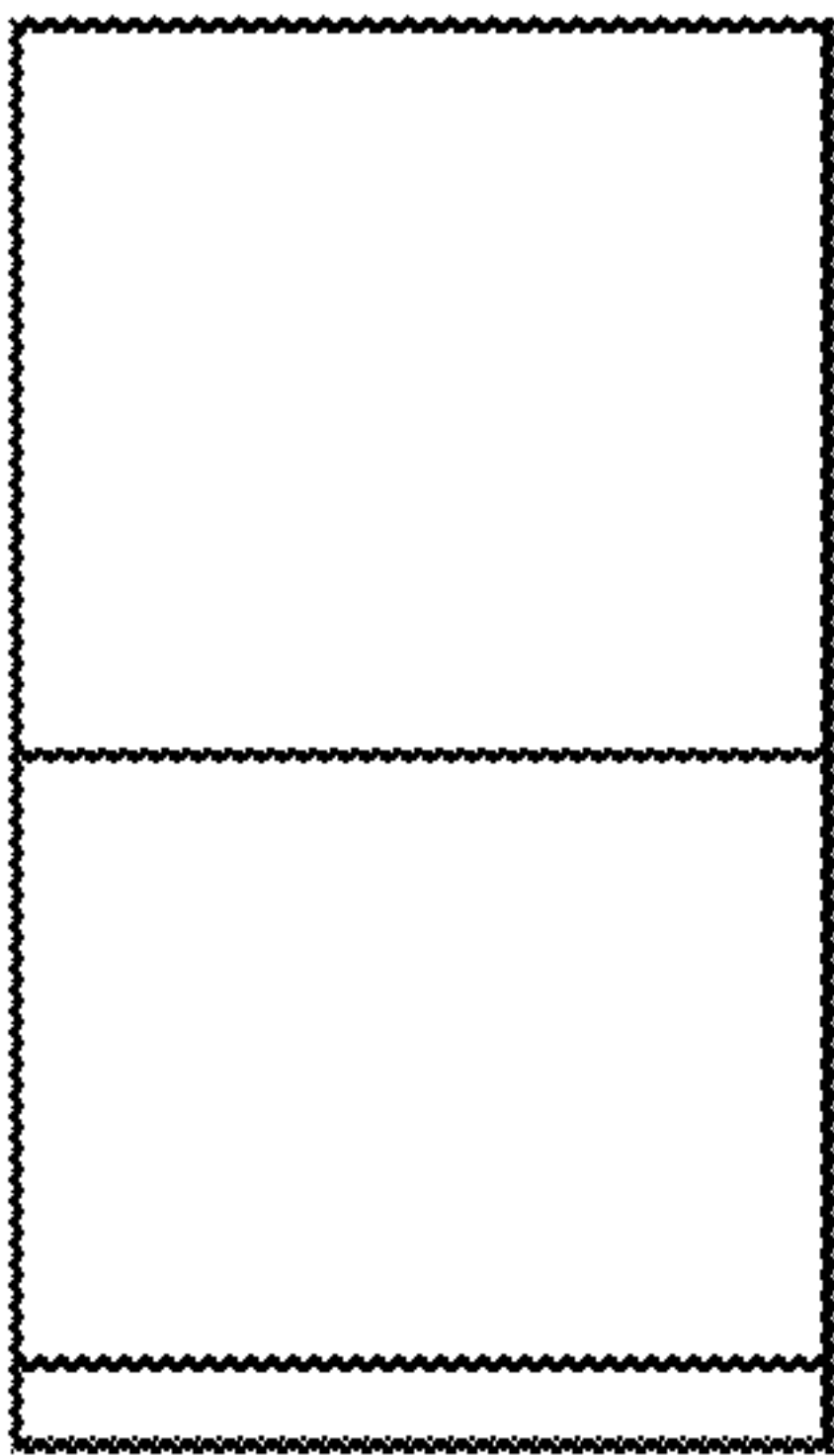
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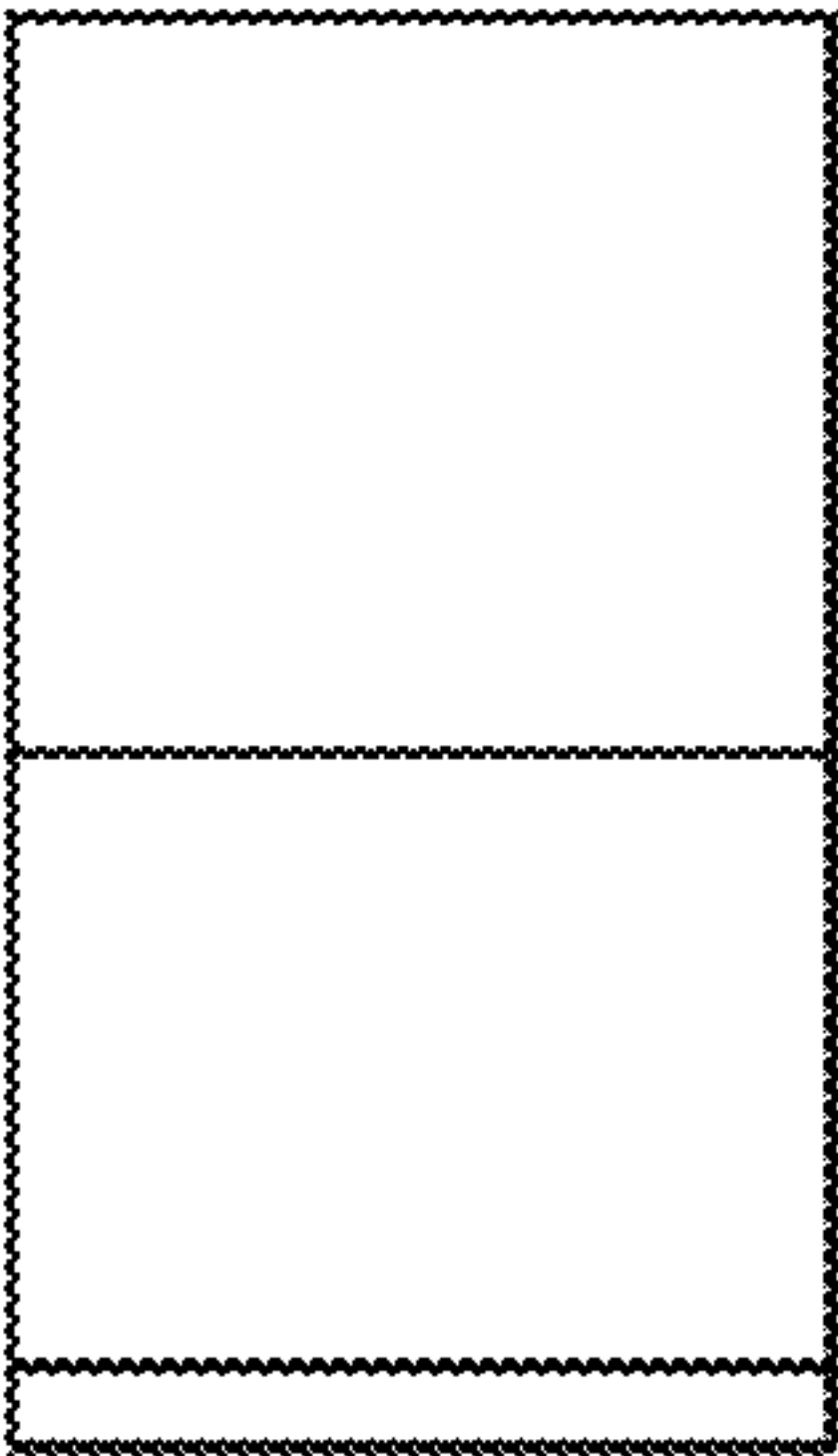
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1.4



1.5



1.6



1.7

