



US00D924856S

(12) **United States Design Patent** (10) **Patent No.:** **US D924,856 S**
Chun et al. (45) **Date of Patent:** **** Jul. 13, 2021**

(54) **ANTENNA FOR AUTOMOBILE**
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(73) Assignee: **LG Electronics Inc.**, Seoul (KR)
(**) Term: **15 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**

USPC D14/230-238, 138, 238.1, 299, 343, 356, D14/358; D12/42, 43
CPC H01Q 1/12; H01Q 1/22; H01Q 1/007; H01Q 1/38; H01Q 7/00; H01Q 9/40; H01Q 9/285; H01Q 9/065; H01Q 9/44; H01Q 9/265; H01Q 19/10; H01Q 19/106; H01Q 19/12; H01Q 19/13; H01Q 19/15; H01Q 19/30; H01Q 21/28; H01Q 21/06; H01Q 21/062; H01Q 21/293; G05D 1/02; G05D 1/0234

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,610,619 A * 3/1997 Zafar H01Q 1/1271
343/704
5,657,029 A * 8/1997 Iijima H01Q 1/1271
343/713
D710,832 S * 8/2014 Yang D14/230
D730,879 S * 6/2015 Kato D14/230
D830,349 S * 10/2018 Gong D14/230

(Continued)

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(57) **CLAIM**

The ornamental design for an antenna for automobile, as shown and described.

DESCRIPTION

1. Antenna for automobile

1.1 : Perspective

1.2 : Right

1.3 : Front

1.4 : Back

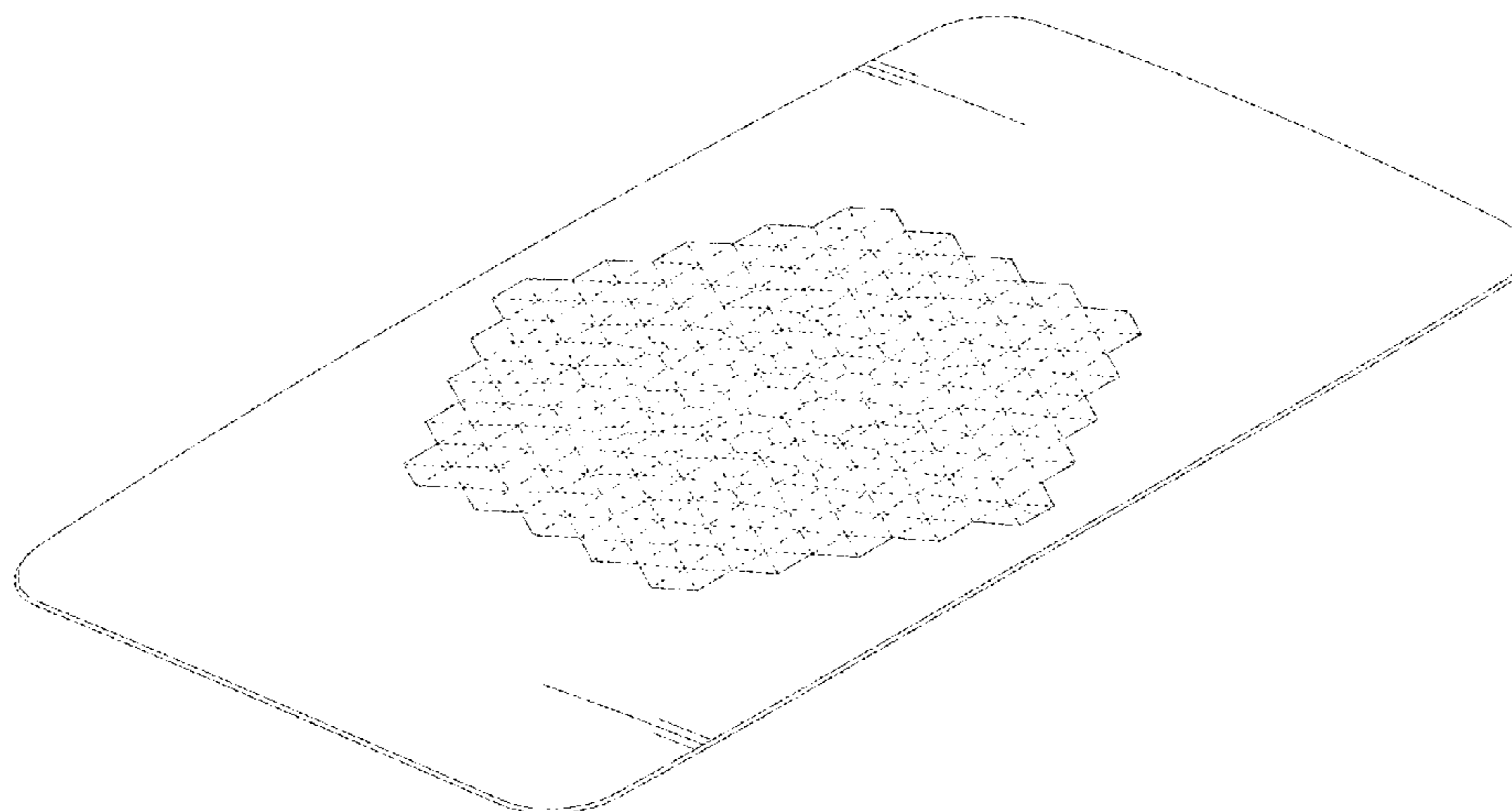
1.5 : Top

1.6 : Bottom

1.7 : Perspective view in a state of use

The broken lines depict portions of antenna for automobile that form no part of the claimed design. The broken lines seen in FIG. 1.7 illustrate environmental structure and form no part of the claimed design. Reproduction 1.1 is a front perspective view of the antenna for automobile; reproduction 1.2 is a right view thereof where the left view is a mirror image; reproduction 1.3 is a front view thereof; reproduction 1.4 is a back view thereof; reproduction 1.5 is a top view thereof; reproduction 1.6 is a bottom view thereof; and reproduction 1.7 is a perspective view showing the use state in which the claimed design has been installed on the top

(Continued)



roof of an automobile and forms no part of the claimed design; this design is for an antenna for automobile which is installed on the outside top roof of the automobile and is flat-type.

1 Claim, 7 Drawing Sheets

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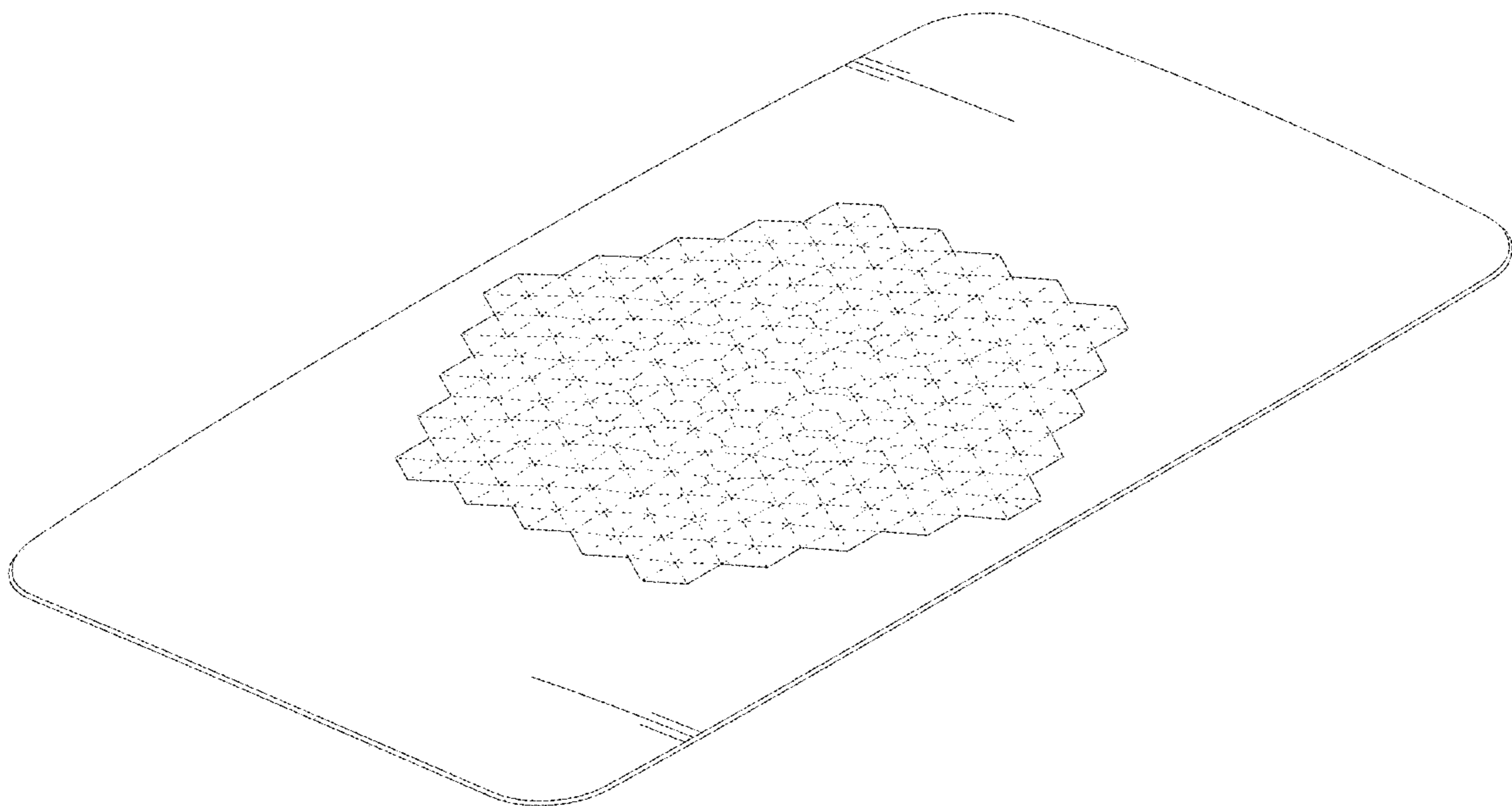
References Cited

U.S. PATENT DOCUMENTS

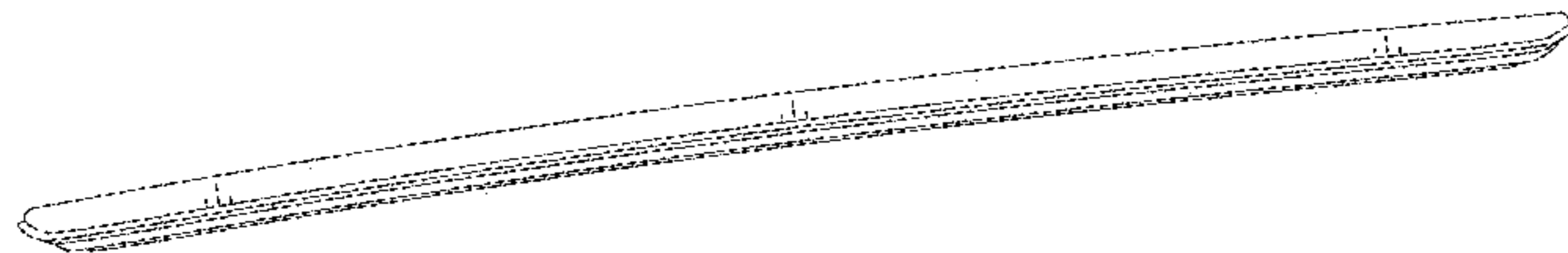
D856,314 S *	8/2019	Yang	D14/230
D863,269 S *	10/2019	He	D14/230
D881,854 S *	4/2020	Campbell	.....	D14/230
D892,092 S *	8/2020	Yang	.....	D14/230
D892,775 S *	8/2020	Yang	.....	D14/230
D896,208 S *	9/2020	Howard	.....	D14/230
D896,795 S *	9/2020	Howard	.....	D14/230
D896,799 S *	9/2020	Yang	.....	D14/230
D900,075 S *	10/2020	Yang	.....	D14/230
D901,464 S *	11/2020	Yang	.....	D14/230
D901,465 S *	11/2020	Yang	.....	D14/230
2002/0033754 A1 *	3/2002	Baudard	.....	B60R 25/00 340/426.1
2010/0136936 A1 *	6/2010	Jiang	H01Q 5/50 455/143
2010/0201584 A1 *	8/2010	Schaffner	H01Q 1/3275 343/713

* cited by examiner

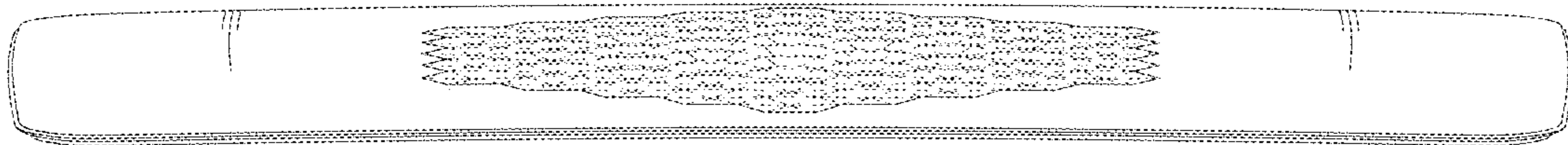
1. 1



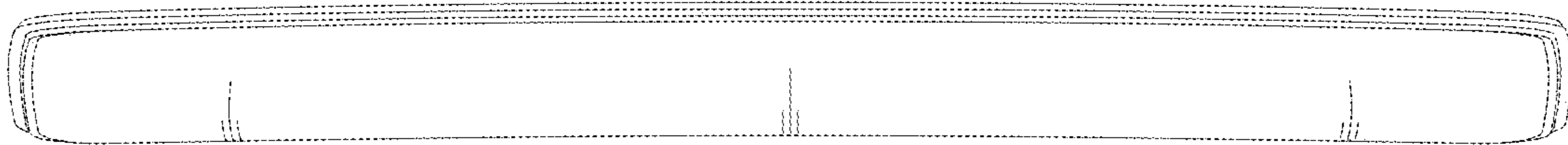
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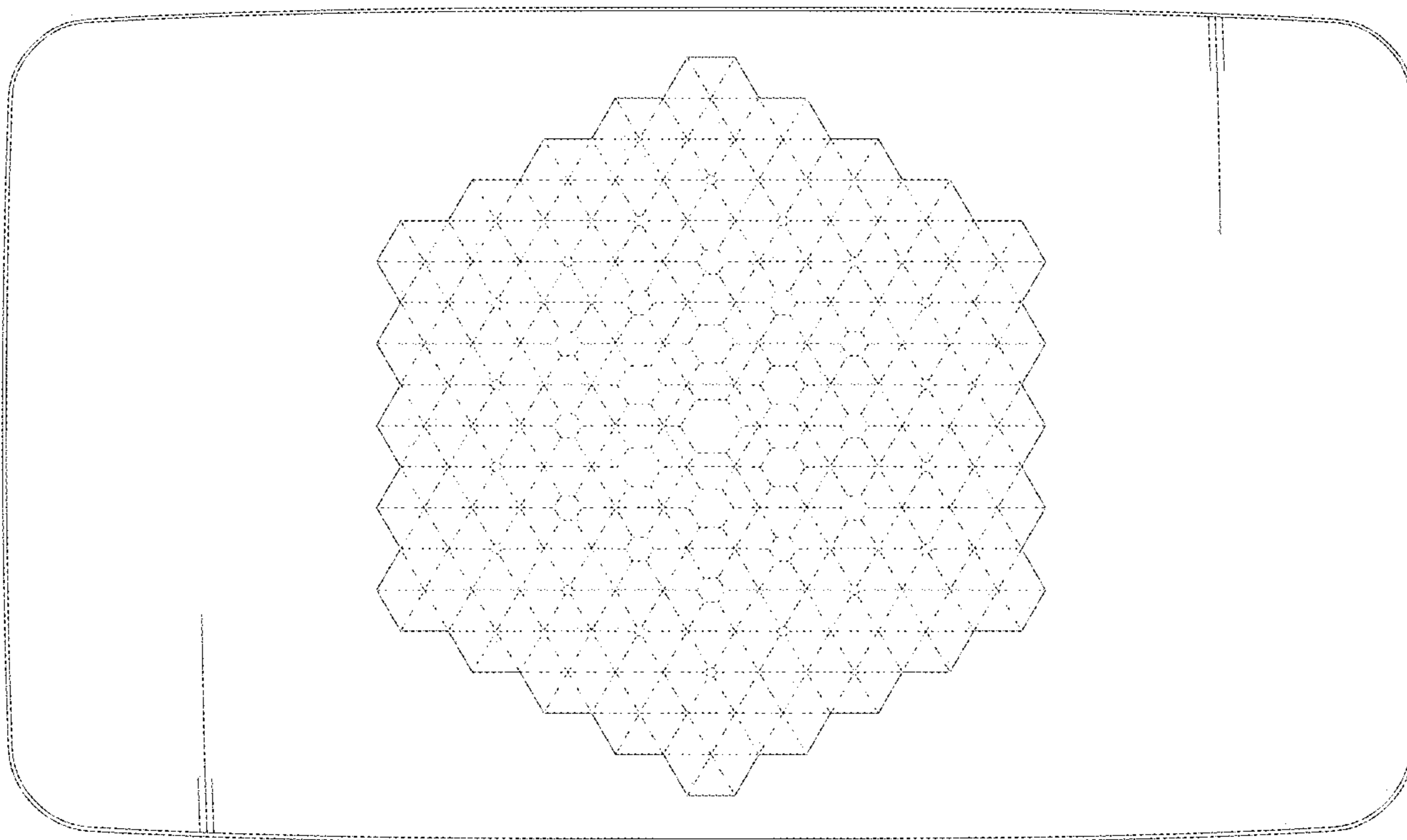
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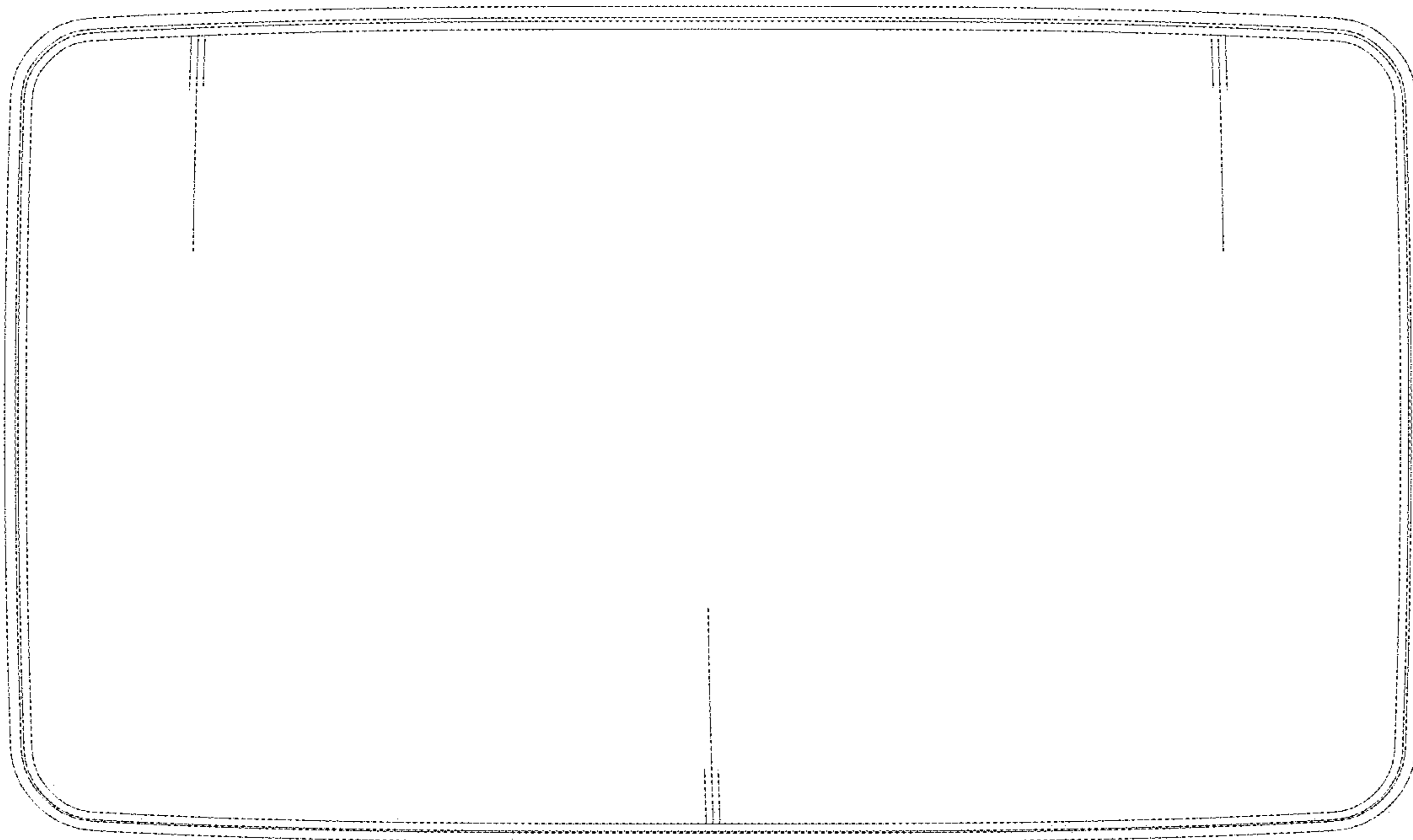
1. 4



1. 5



1. 6



1. 7

