



US00D917406S

(12) **United States Design Patent**
Kim

(10) **Patent No.:** **US D917,406 S**

(45) **Date of Patent:** **** Apr. 27, 2021**

(54) **SMART KEY FOR VEHICLES**
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(72) Inventor: **Byungkyu Kim**, Seoul (KR)
(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

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(**) Term: **15 Years**
(21) Appl. No.: **35/508,797**

FOREIGN PATENT DOCUMENTS

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(22) Filed: **Sep. 9, 2019**

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(80) **Hague Agreement Data**

Int. Filing Date: **Sep. 9, 2019**
Int. Reg. No.: **DM/204734**
Int. Reg. Date: **Sep. 9, 2019**
Int. Reg. Pub. Date: **Mar. 13, 2020**

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(30) **Foreign Application Priority Data**

Mar. 22, 2019 (KR) 30-2019-0013147

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

(52) **U.S. Cl.**
USPC **D13/168**

(58) **Field of Classification Search**
USPC D10/104.1, 106.1, 106.9; D8/347;
D13/168; D14/435, 218; D12/400
CPC G07C 2009/00984; E05B 19/0085
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a smart key for vehicles, as shown and described.

(56) **References Cited**

U.S. PATENT DOCUMENTS

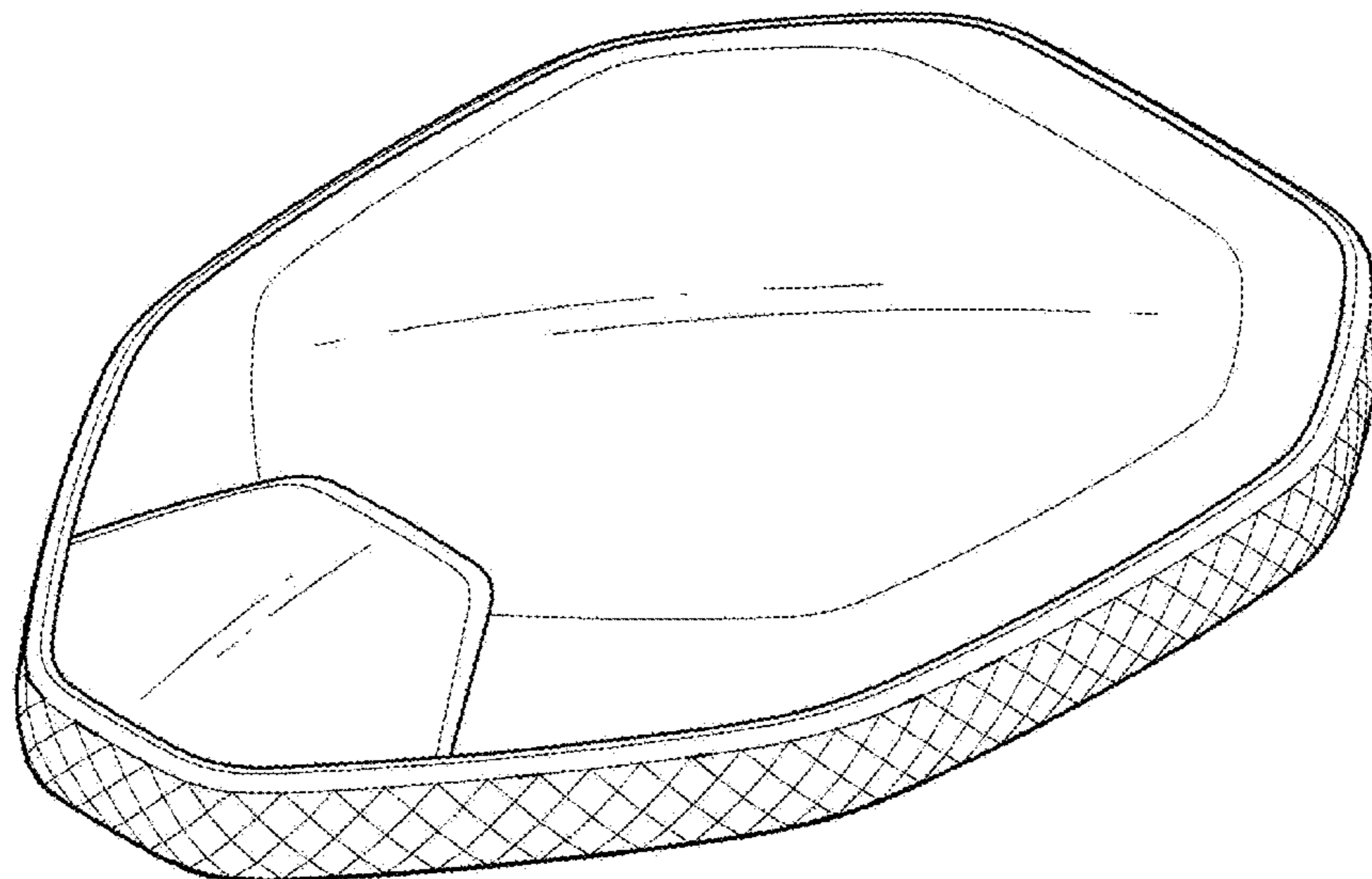
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DESCRIPTION

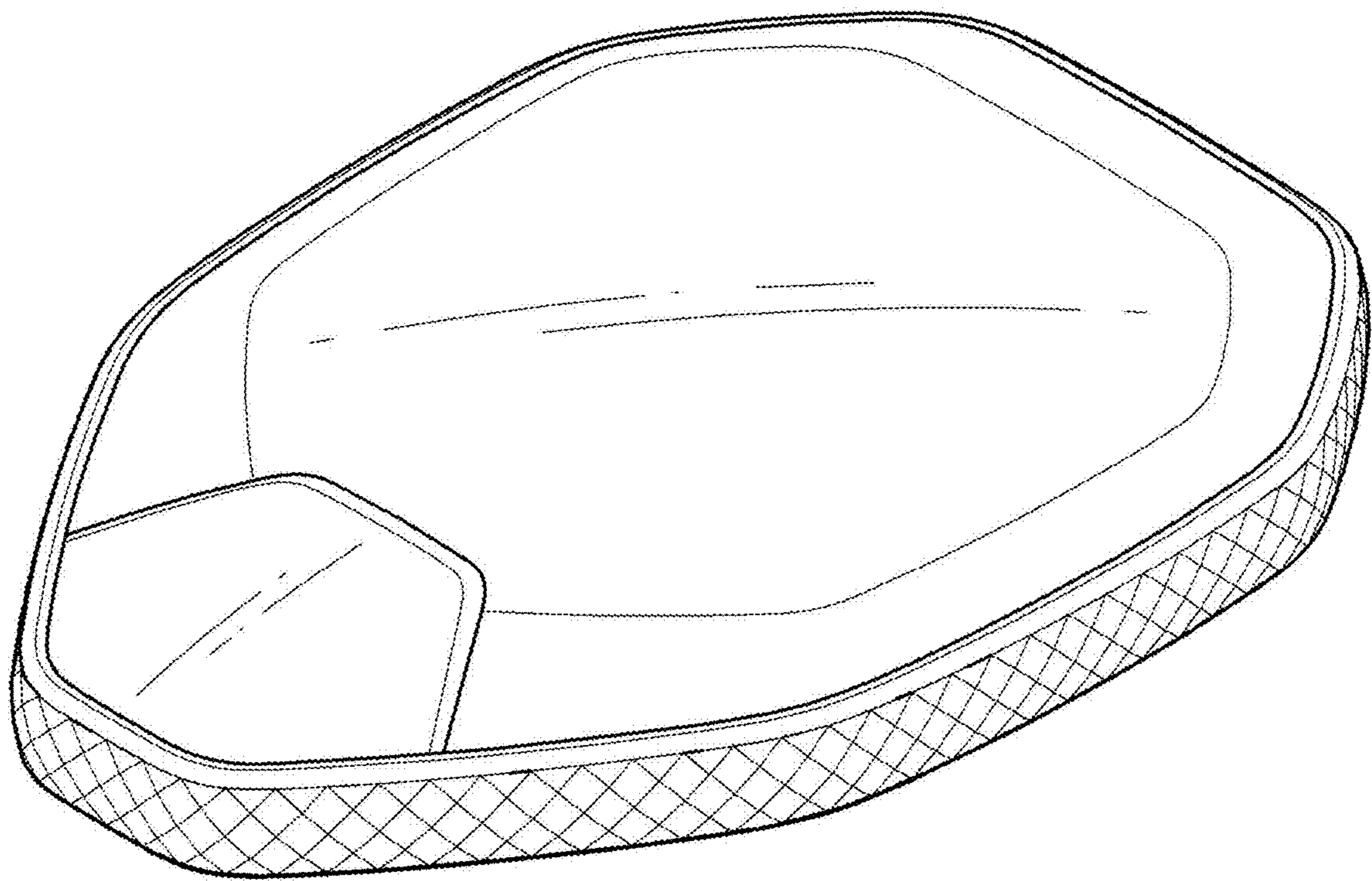
- 1. Smart key for vehicles
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Back
- 1.4 : Left
- 1.5 : Right
- 1.6 : Top
- 1.7 : Bottom
- 1.8 : Reference

The claimed design is an artificial intelligence smart key for vehicles that is connected to docking stations in a vehicle or at home, and displays home or vehicles information on the top display; reproduction 1.8 is a reference view showing a state of use in which a smart key is connected to a docking station; the broken lines showing the docking station in reproduction 1.8 form no part of the claimed design.

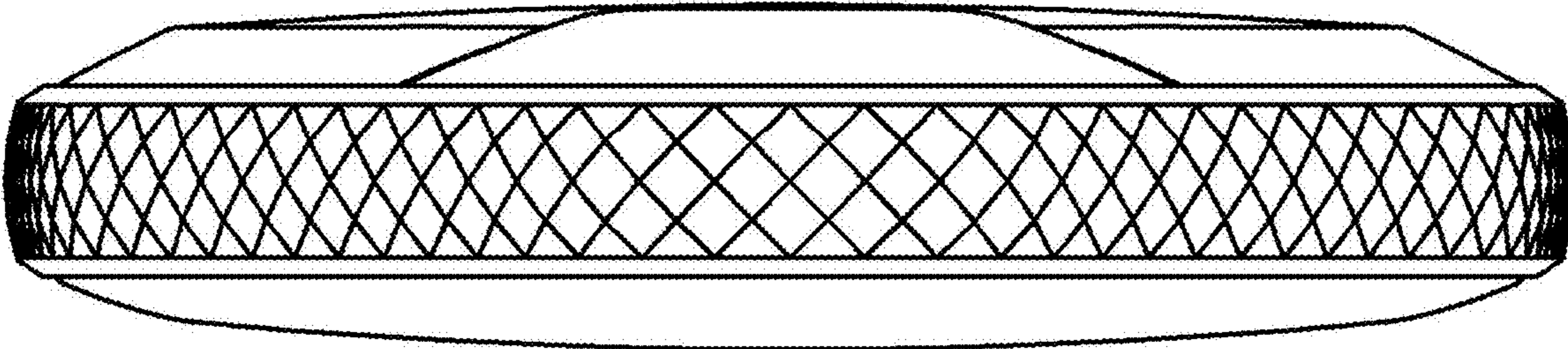
1 Claim, 8 Drawing Sheets



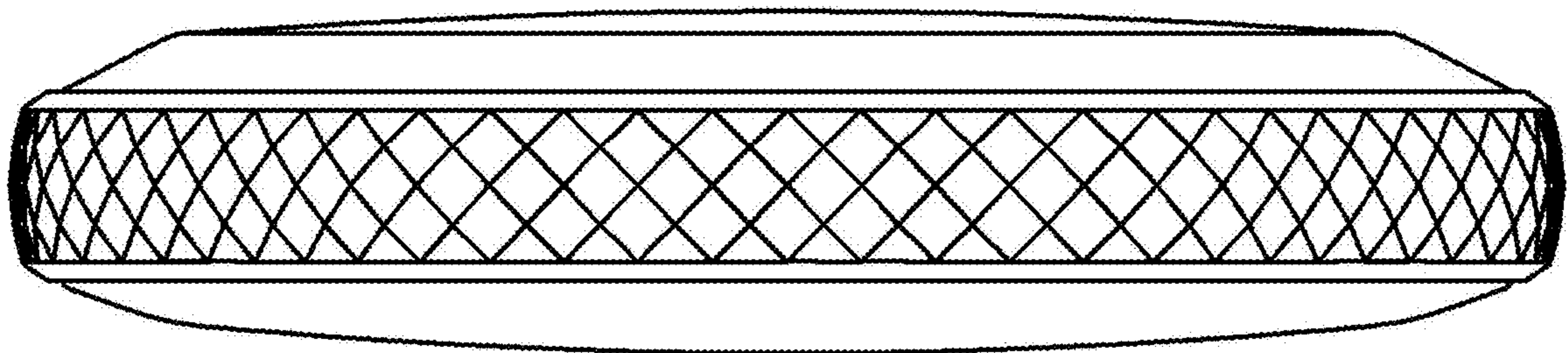
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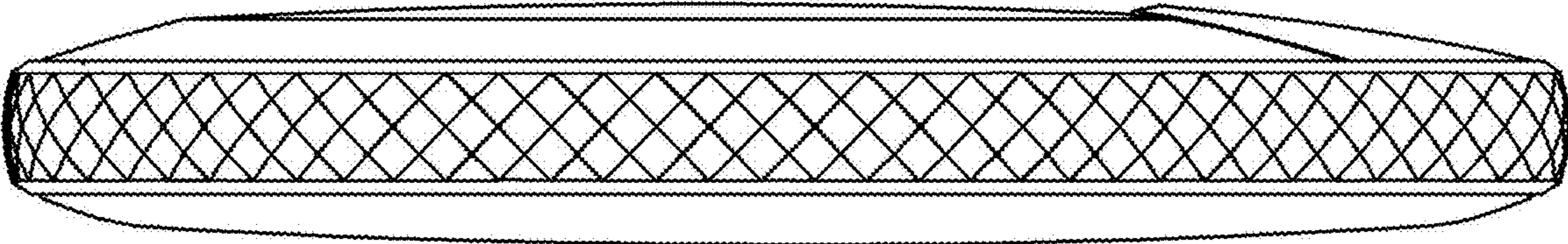
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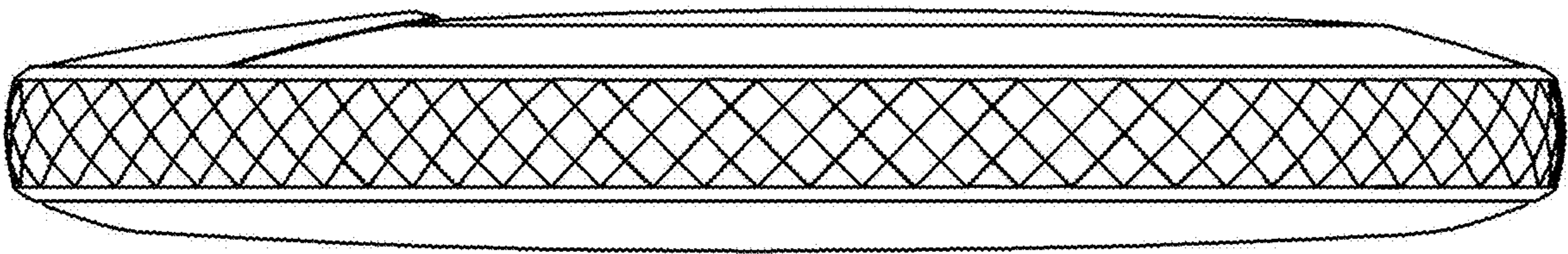
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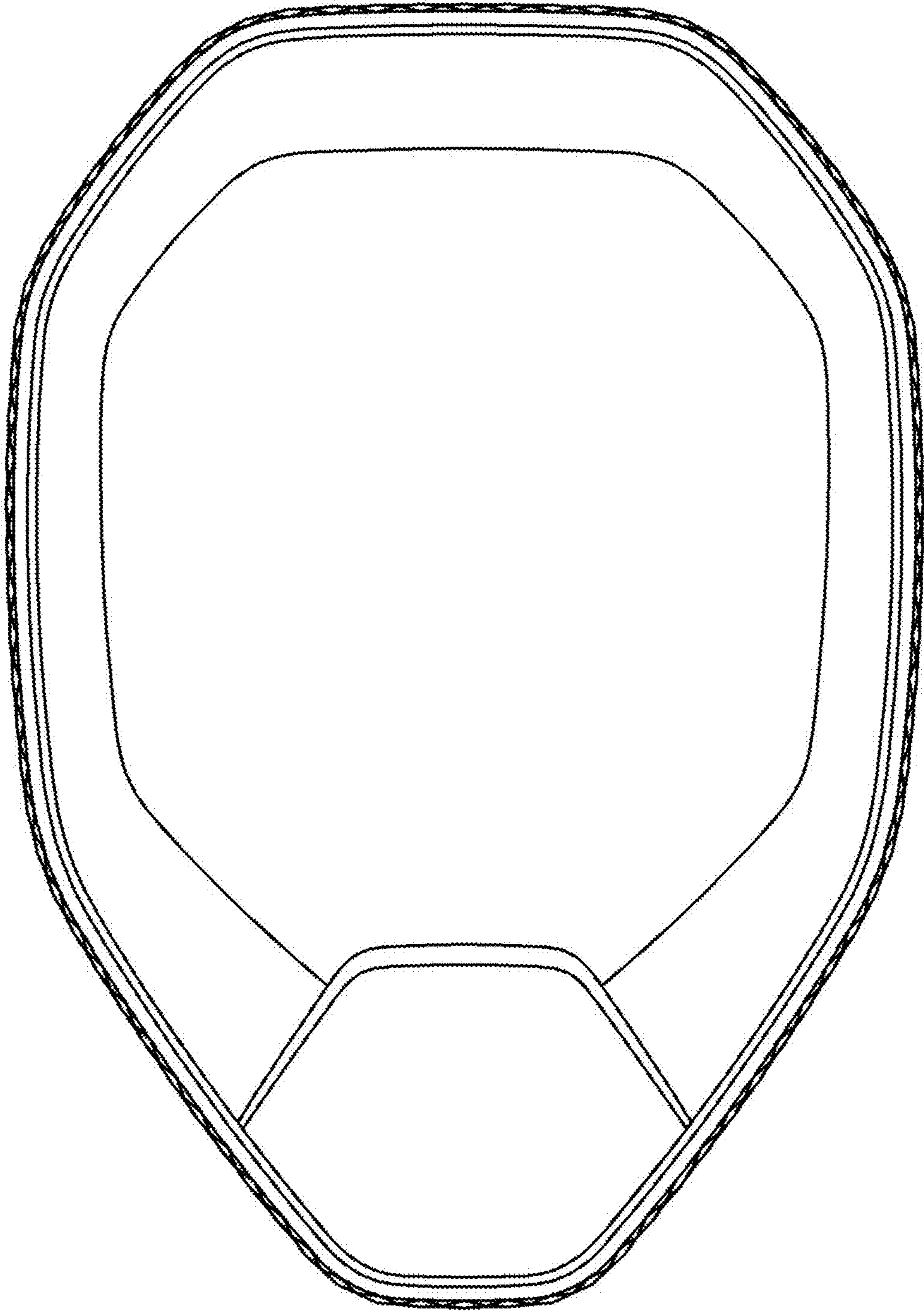
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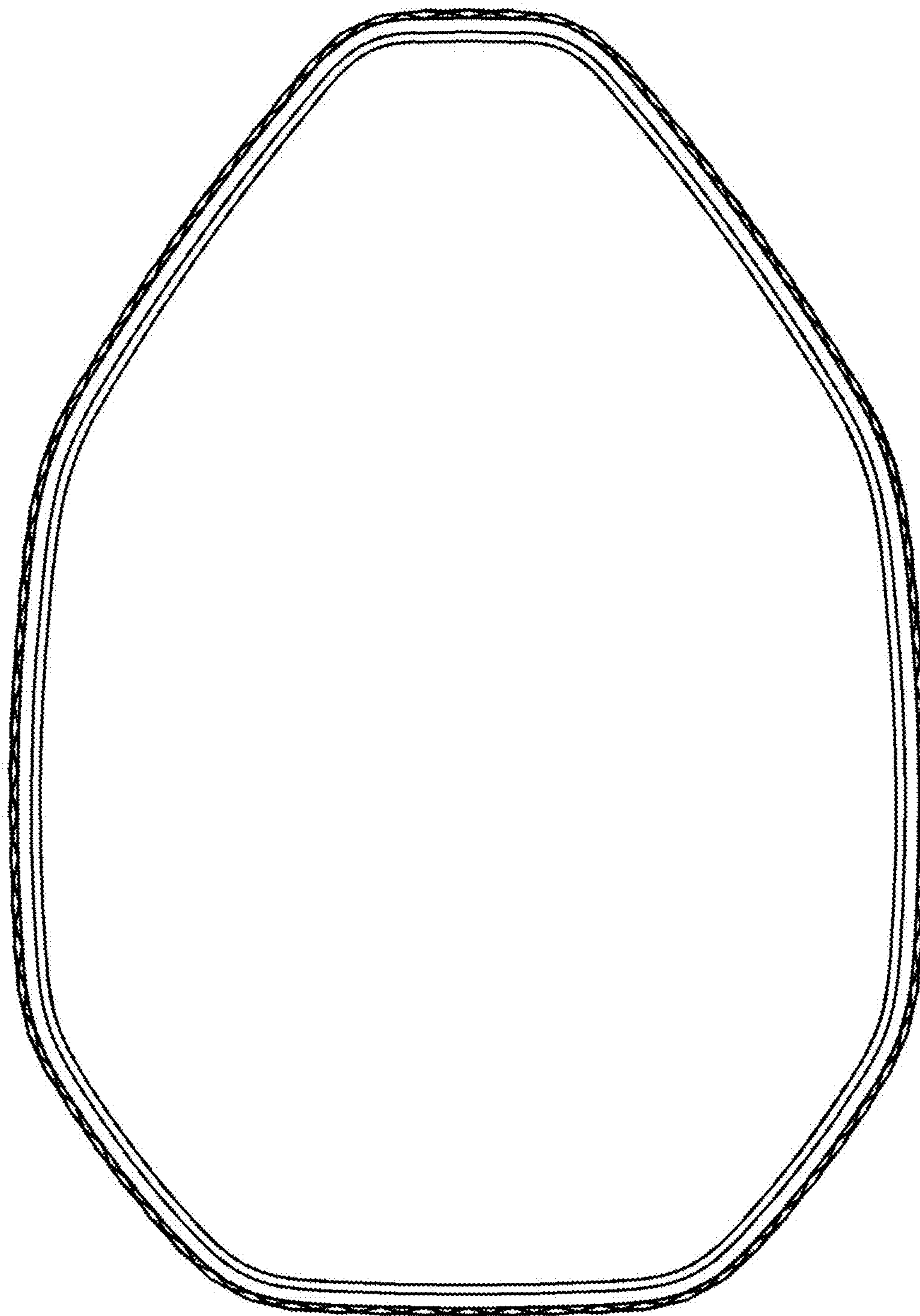
1.5



1.6



1.7



1.8

