



US00D917408S

(12) **United States Design Patent** (10) **Patent No.:** **US D917,408 S**
Kim (45) **Date of Patent:** **** Apr. 27, 2021**

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

D687,787 S *	8/2013	Chin	.....	D13/168
D688,215 S *	8/2013	Yu	.....	D13/168
D688,635 S *	8/2013	Ni	.....	D13/168
D692,400 S *	10/2013	Ni	.....	D13/168
D725,607 S *	3/2015	Kandler	.....	D13/168
D726,129 S *	4/2015	Chin	.....	D13/168
D733,074 S *	6/2015	Kandler	.....	D13/168
D844,574 S *	4/2019	Kandler	.....	D13/168

(**) Term: **15 Years**
(21) Appl. No.: **35/508,907**

FOREIGN PATENT DOCUMENTS

CN	304851445	*	10/2018
CN	304851450	*	10/2018
JP	D1664625	*	7/2020

(22) Filed: **Sep. 26, 2019**

* cited by examiner

(80) **Hague Agreement Data**

Int. Filing Date: **Sep. 26, 2019**
Int. Reg. No.: **DM/204594**
Int. Reg. Date: **Sep. 26, 2019**
Int. Reg. Pub. Date: **Mar. 27, 2020**

Primary Examiner — Deanna L Pratt

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

(30) **Foreign Application Priority Data**

Mar. 27, 2019 (KR) 30-2019-0014002

(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 smart keys for vehicles, as shown and described.

(56) **References Cited**

U.S. PATENT DOCUMENTS

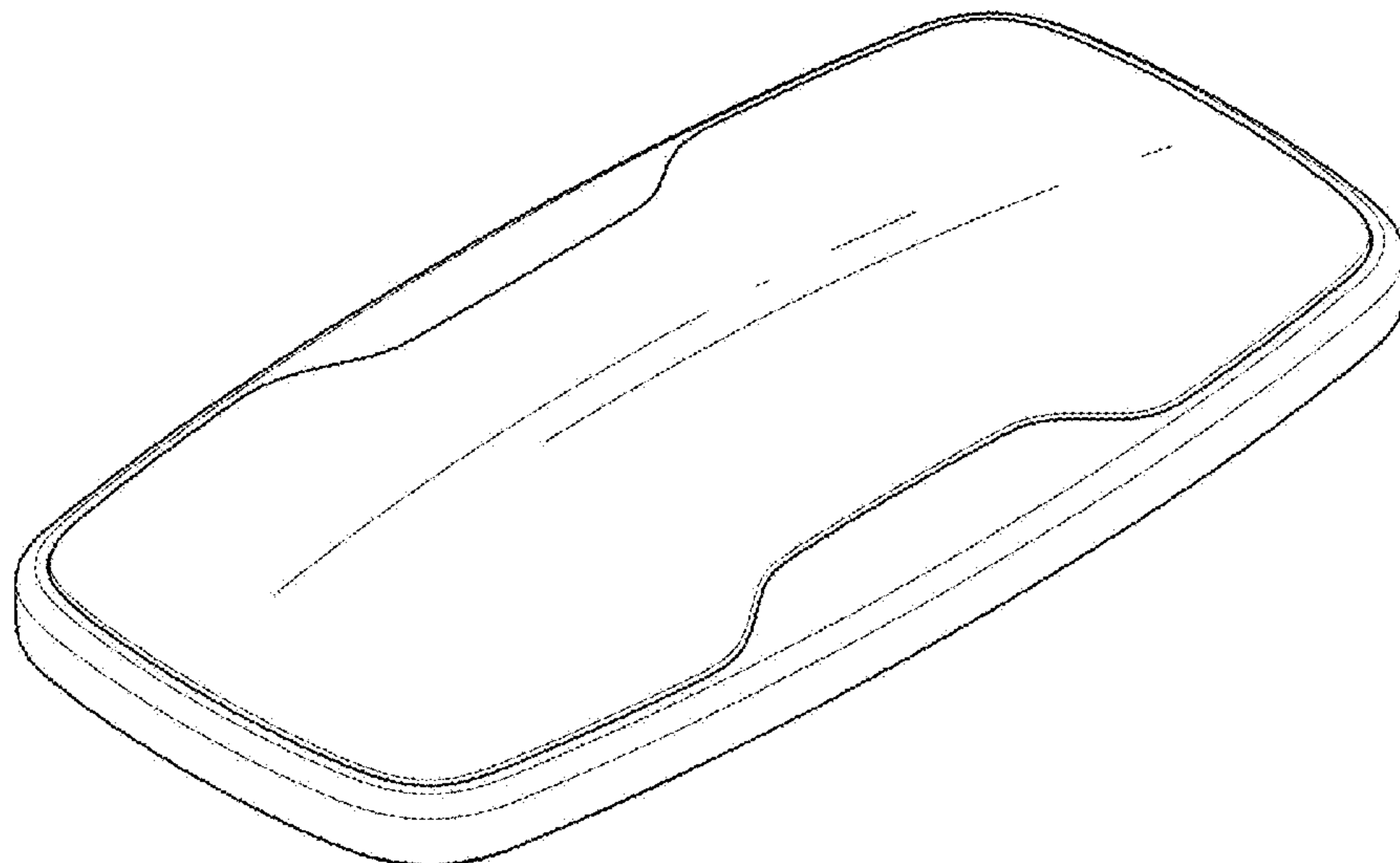
D578,967 S *	10/2008	Kumano	.....	D13/168
D584,241 S *	1/2009	To	.....	D13/168
D584,242 S *	1/2009	Lacour	.....	D13/168
D590,779 S *	4/2009	Lacour	.....	D13/168
D639,547 S *	6/2011	Stefanov	.....	D3/207
D662,066 S *	6/2012	Seidl	.....	D13/168

DESCRIPTION

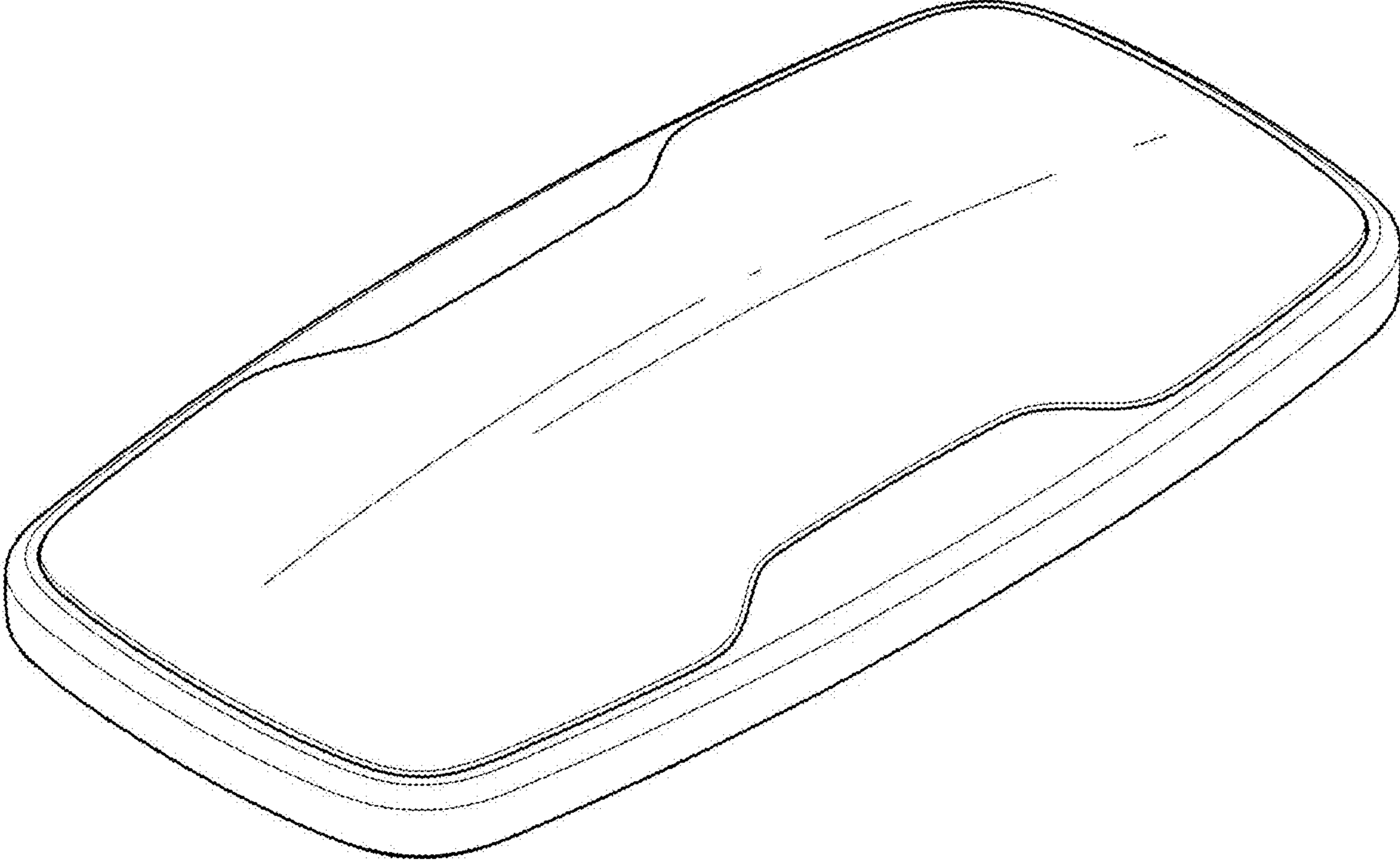
- 1. Smart key for vehicles
- 1.1 : Perspective
- 1.2 : Front
- 1.3 : Back
- 1.4 : Left
- 1.5 : Right
- 1.6 : Top
- 1.7 : Bottom
- 1.8 : Reference

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 of the docking station in reproduction 1.8 form no part of the claimed design.

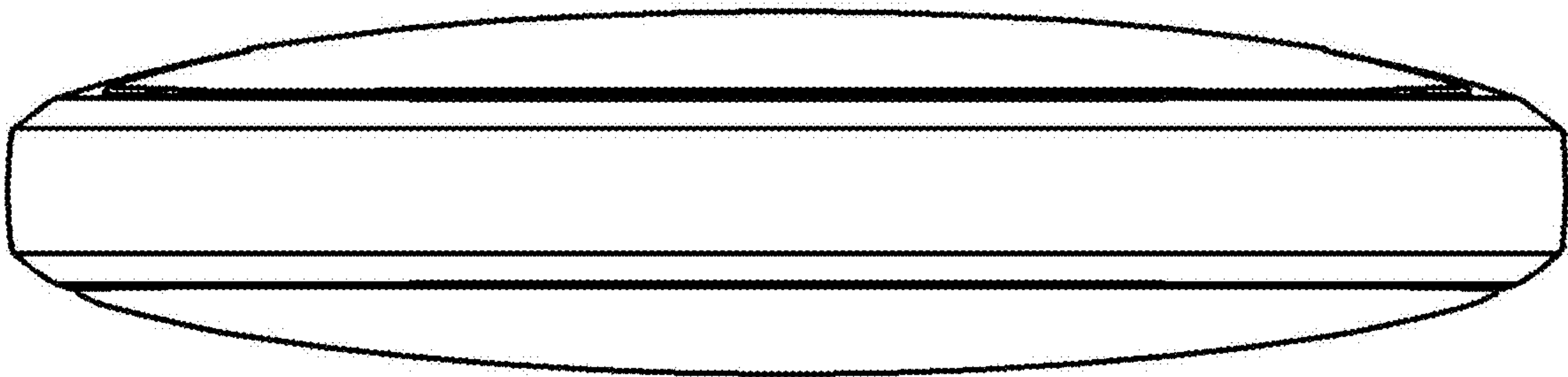
1 Claim, 8 Drawing Sheets



1.1



1.2



1.3



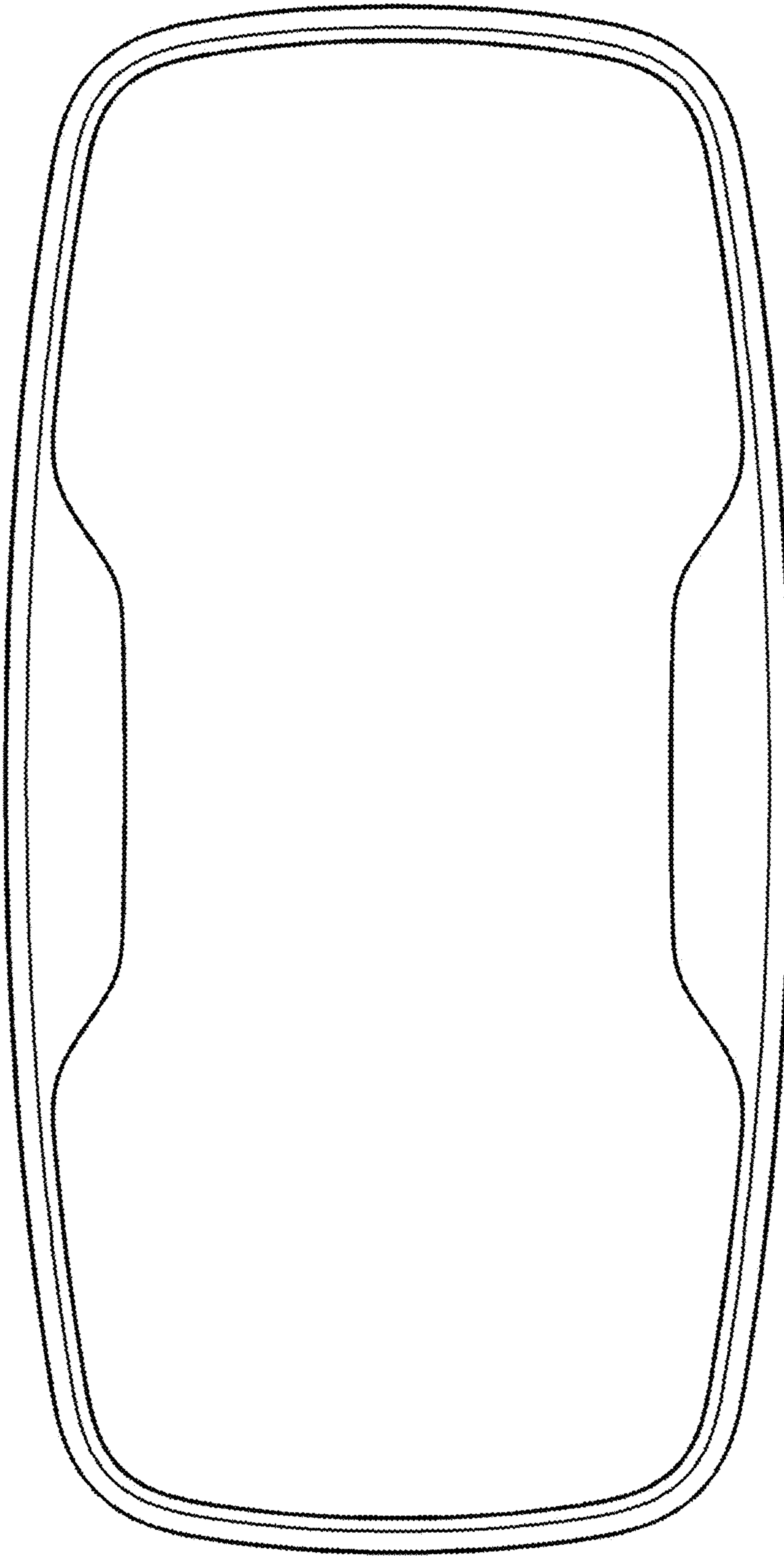
1.4



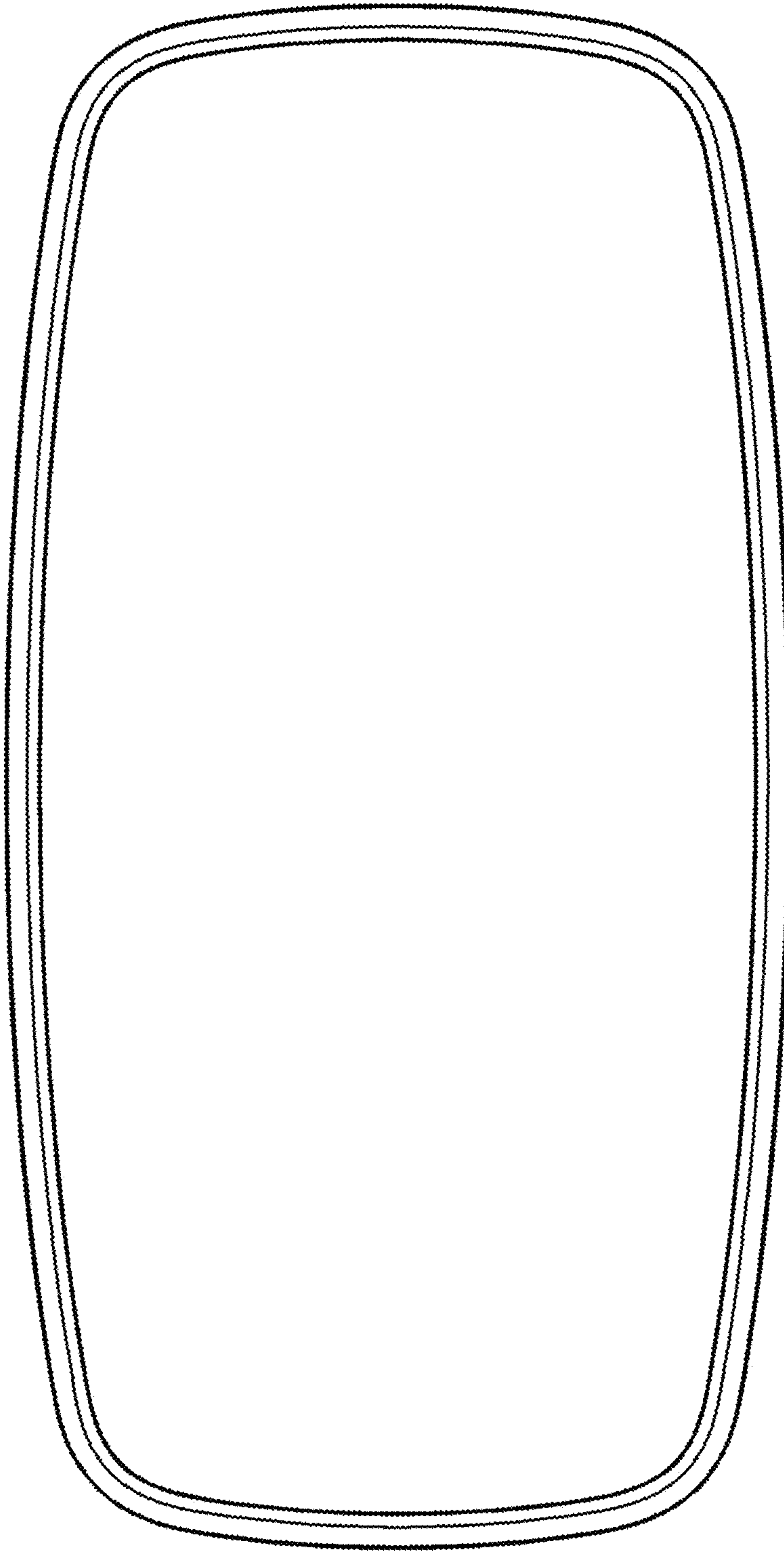
1.5



1.6



1.7



1.8

