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(12) **United States Design Patent** (10) **Patent No.:** **US D951,458 S**
Karpowitz et al. (45) **Date of Patent:** **** May 10, 2022**

(54) **PLATFORM AND LOCATOR KEY SET FOR A DENTAL MILLING SYSTEM**

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

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Related U.S. Application Data

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(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/181**

(58) **Field of Classification Search**
USPC D24/152, 153, 154, 155, 156, 176, 178, D24/179, 180, 181, 182
CPC .. A61C 1/00; A61C 1/08; A61C 1/084; A61C 1/16; A61C 3/00; A61C 3/08; A61C 5/00; A61C 5/007; A61C 5/20; A61C 5/30; A61C 5/70; A61C 7/00; A61C 8/0001; A61C 8/0054; A61C 8/008; A61C 8/0081; A61C 8/0083; A61C 2008/0084; A61C 8/0087; A61C 8/0089; A61C 8/0096; A61C 9/00; A61C 9/0006; A61C 19/008; A61C 19/02; A61C 7/002; A61C 7/08; A61C

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,906,186 A * 3/1990 France, Jr. A61C 13/1016
433/196

5,788,489 A 8/1998 Huffman
(Continued)

FOREIGN PATENT DOCUMENTS

KR 3020170008145 * 7/2018

OTHER PUBLICATIONS

Elos Medtech, "How Digital Dentistry Can Help Simplify The Digital Workflow", first available Jan. 18, 2016. (<https://elosmedtech.com/how-digital-dentistry-can-help-simplify-the-digital-workflow/>) (Year: 2016).*

(Continued)

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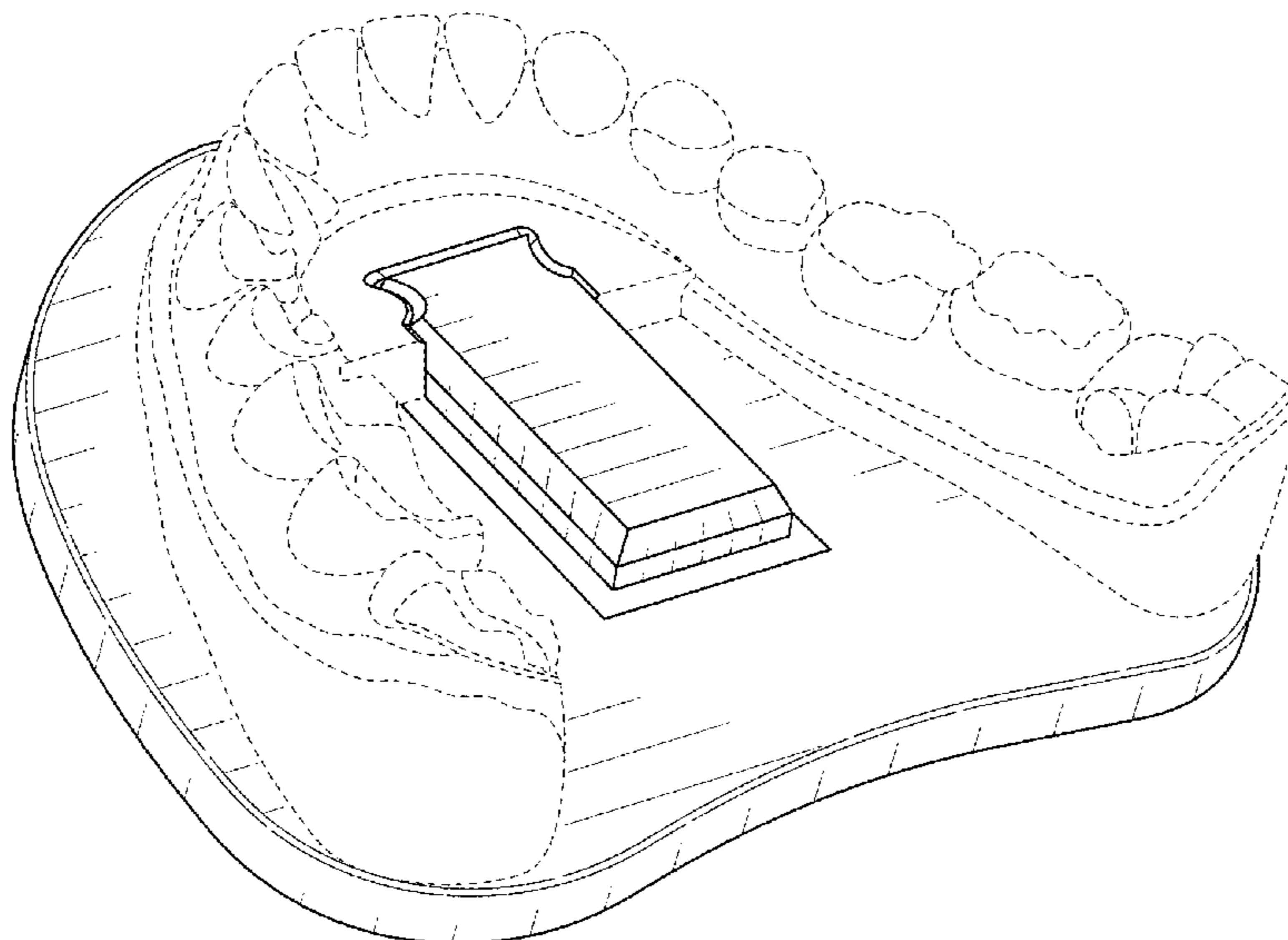
(57) **CLAIM**

The ornamental design for a platform and locator key set for a dental milling system, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a platform and locator key set for a dental milling system, showing our new design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a first side elevation view thereof; FIG. 5 is an opposite, second side elevation view thereof; FIG. 6 is a top plan view thereof; and, FIG. 7 is a bottom plan view thereof. The broken line illustration of environmental structure in the drawings is not part of the design sought to be patented.

1 Claim, 5 Drawing Sheets



(58) **Field of Classification Search**
 CPC 9/004; A61K 6/00; B33Y 50/00; B33Y
 80/00
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,788,490	A	8/1998	Huffman	
D399,319	S *	10/1998	Andrews	D24/181
6,497,574	B1 *	12/2002	Miller	A61C 7/00 433/213
D582,558	S *	12/2008	Schulz	A61C 8/0096 D24/181
8,360,772	B1 *	1/2013	McCarthy	A61C 9/0006 433/41
2002/0164556	A1	11/2002	Huffman	
2004/0265769	A1 *	12/2004	Inman	A61C 7/10 433/21
2005/0106530	A1	5/2005	Huffman	
2006/0093992	A1	5/2006	Wen	
2006/0127851	A1	6/2006	Wen	
2006/0127853	A1	6/2006	Wen	
2006/0199153	A1	10/2006	Liu	
2008/0318179	A1	12/2008	Liu	

2009/0286196	A1	11/2009	Wen	
2010/0143855	A1 *	6/2010	Scheffler	A61C 7/00 433/6
2010/0279245	A1 *	11/2010	Navarro	A61C 7/08 433/6
2014/0024003	A1 *	1/2014	Iwaki	G09B 23/283 434/263
2014/0272797	A1 *	9/2014	Prestipino	A61C 8/0054 433/199.1
2019/0374305	A1 *	12/2019	Wang	A61C 1/084
2020/0352765	A1 *	11/2020	Lin	A61C 5/007
2021/0121270	A1 *	4/2021	Such Palacios	A61C 8/0096

OTHER PUBLICATIONS

Roland, "5-Axis Dental Mill", first available Feb. 2018. (https://public.rolanddga.com/brochures/products/dental/DWX-52D_Brochure.pdf) (Year: 2018).*

Youtube, "KeyMill High-Impact Denture Base Disc", first available Oct. 15, 2019. ([youtube.com/watch?v=ZuXor-t-gGc](https://www.youtube.com/watch?v=ZuXor-t-gGc)) (Year: 2019).*

Digital Dental, "Mills", first available Aug. 5, 2020. (<https://web.archive.org/web/20200805134555/https://digitaldental.com/mills/>) (Year: 2020).*

* cited by examiner

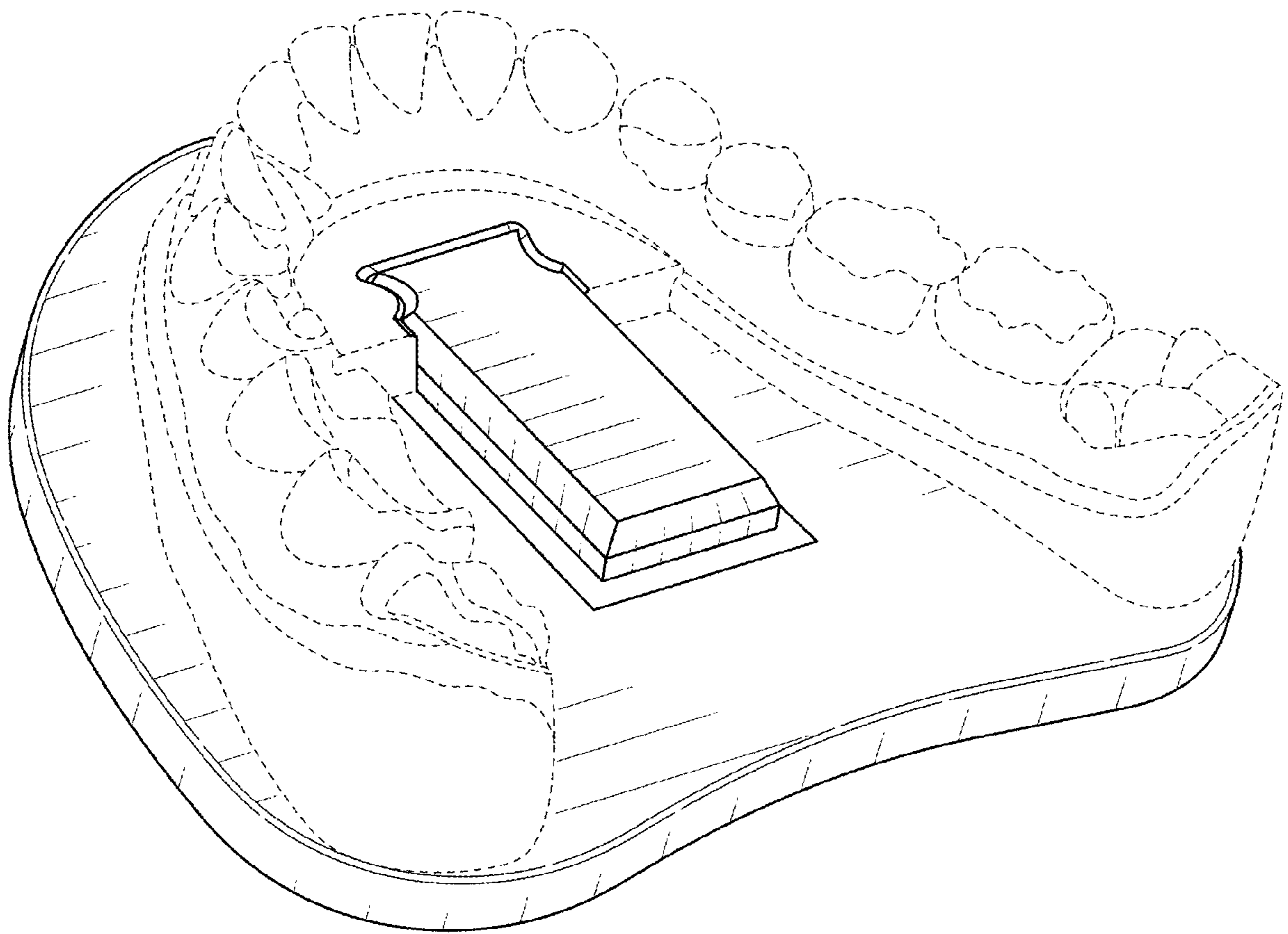


FIG. 1

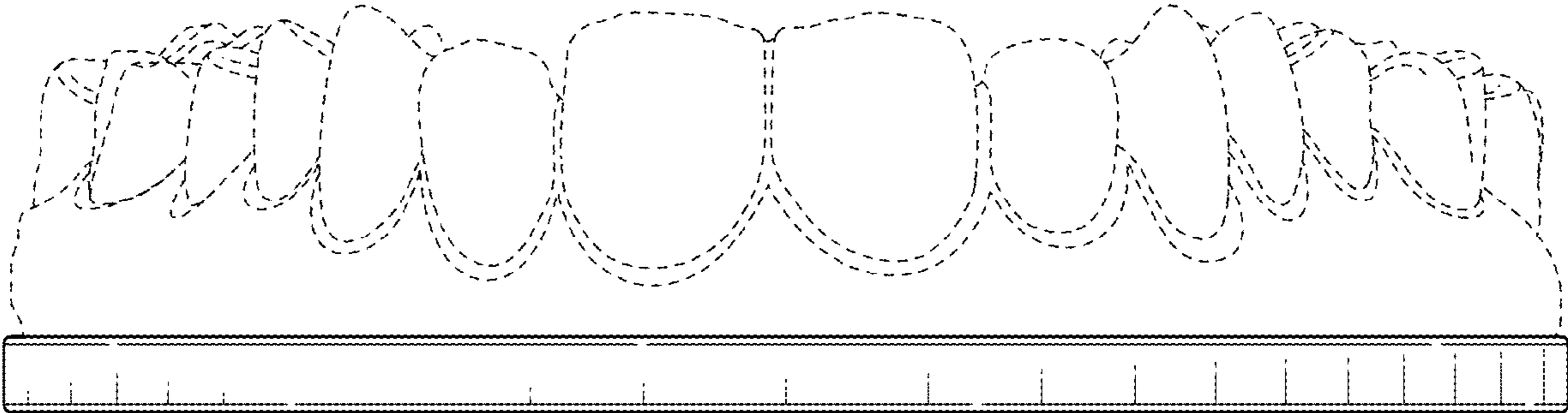


FIG. 2

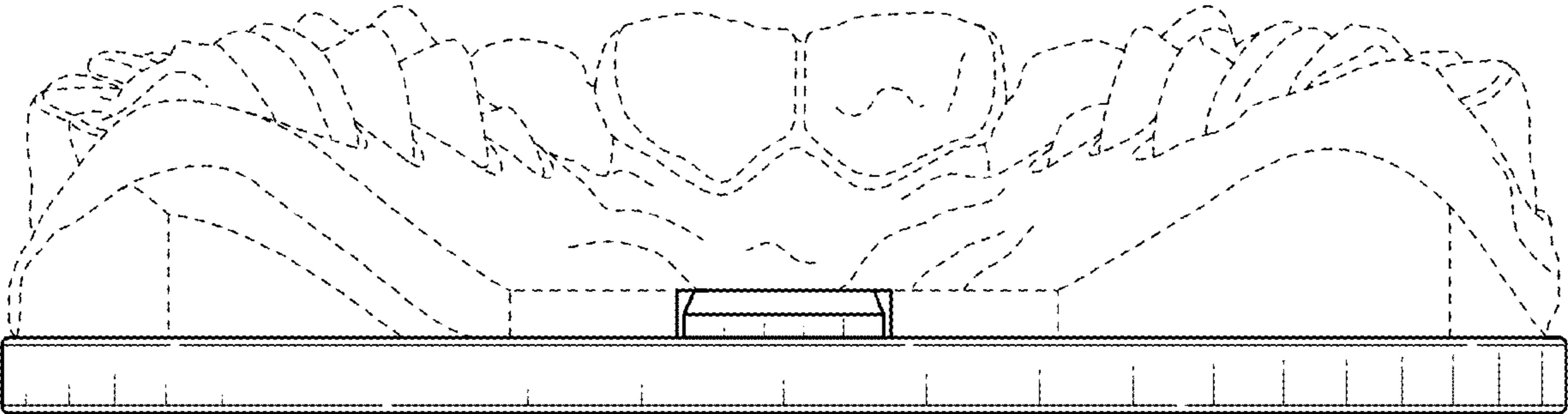


FIG. 3

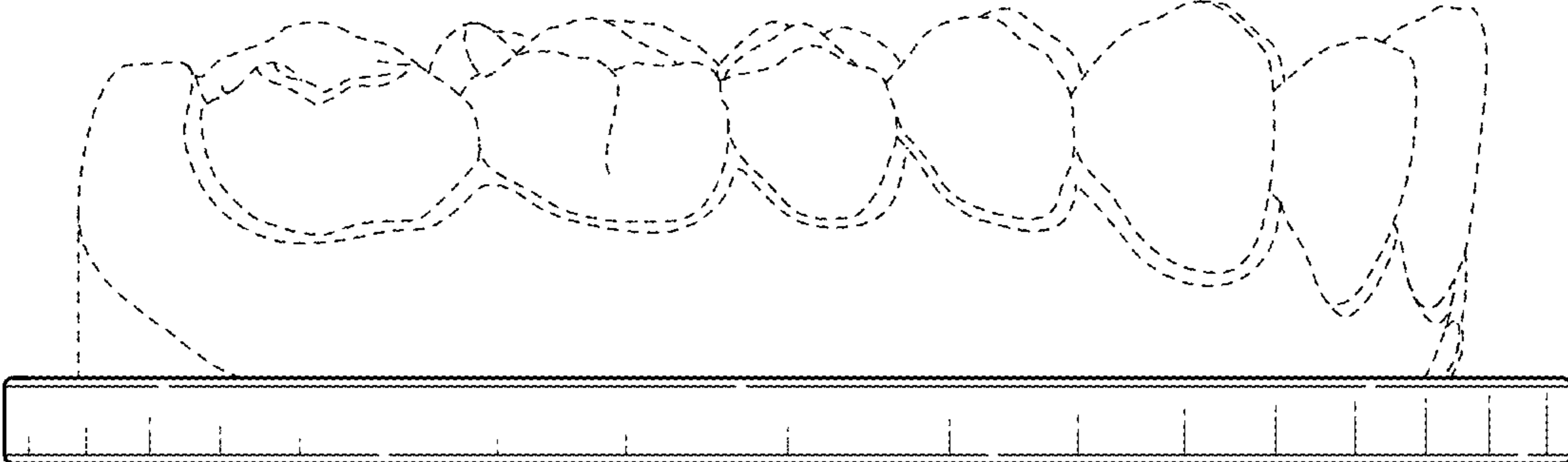


FIG. 4

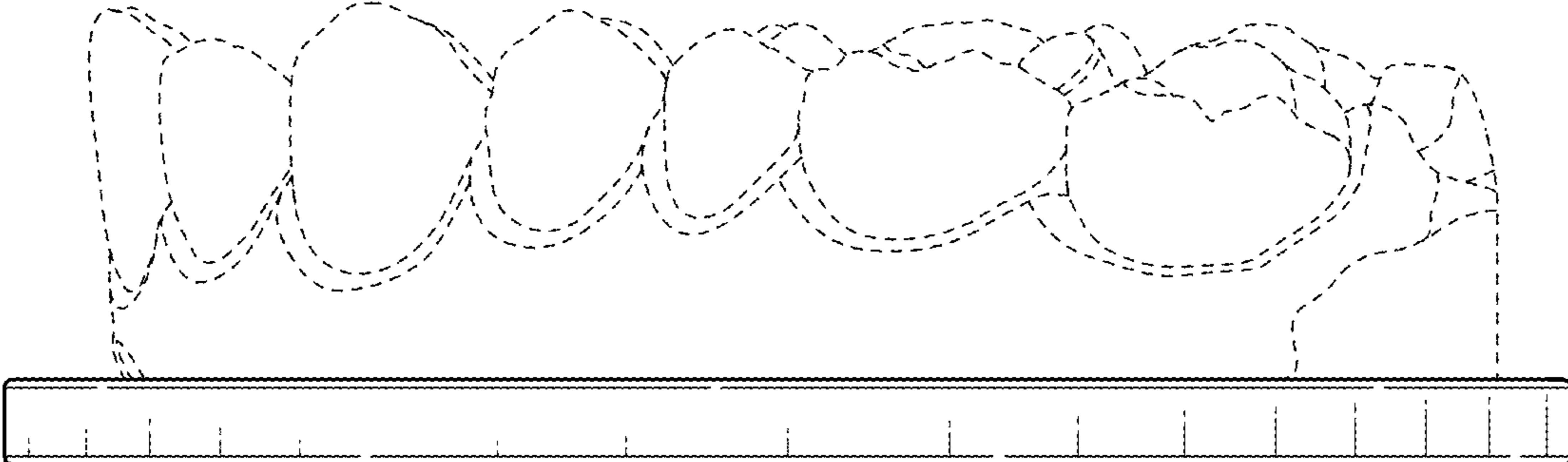


FIG. 5

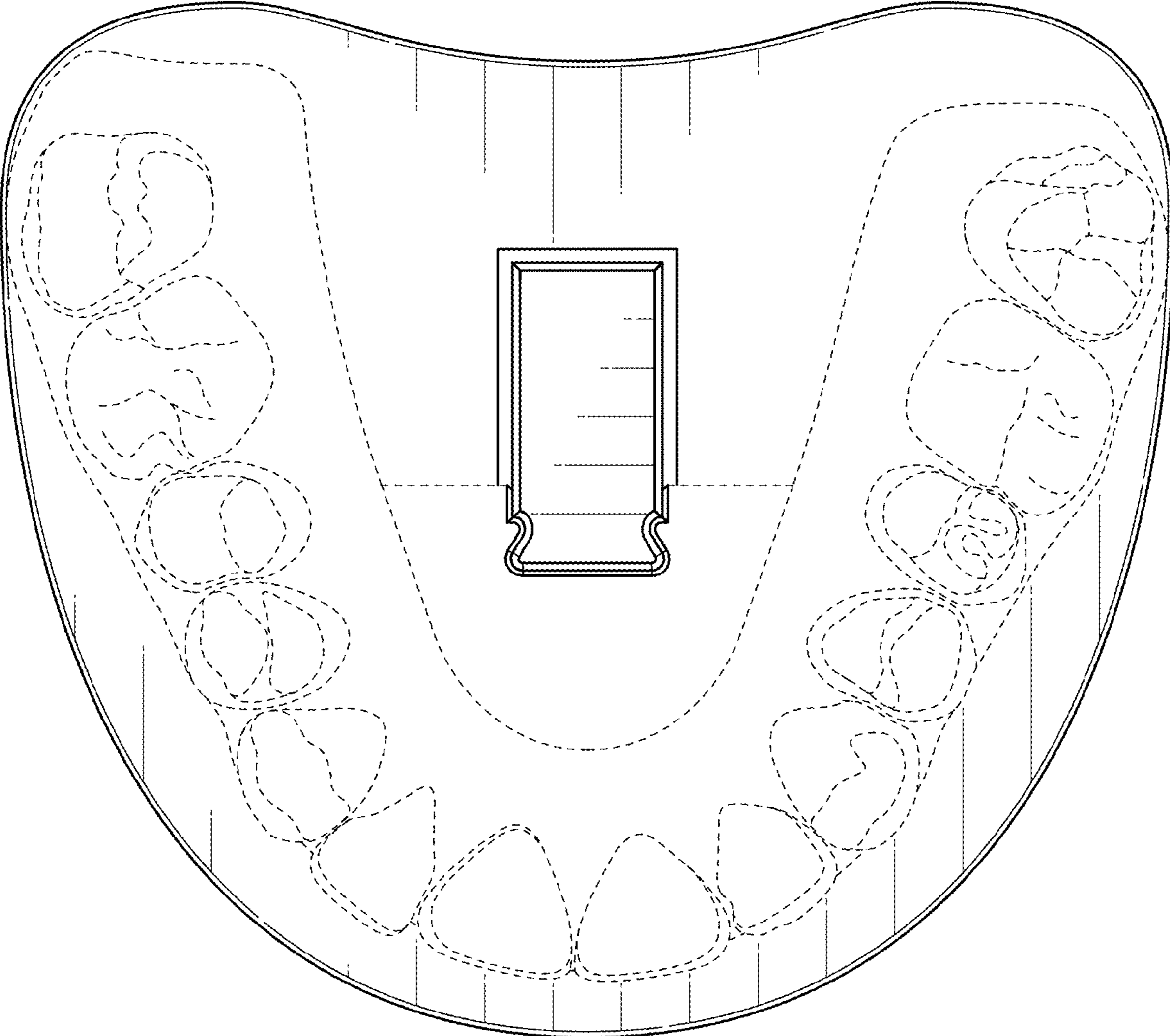


FIG. 6

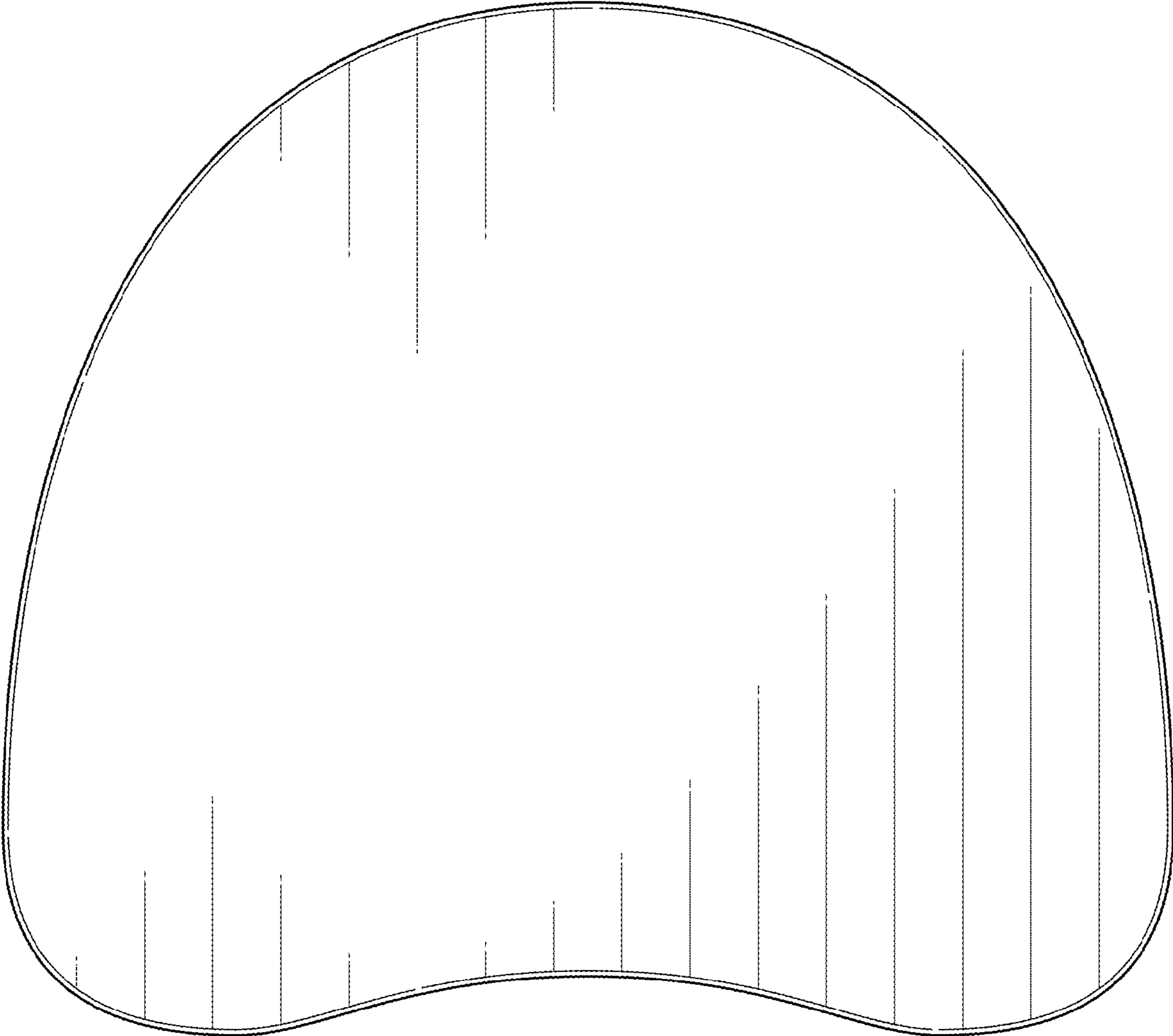


FIG. 7