



US00D979265S

(12) **United States Design Patent** (10) **Patent No.:** **US D979,265 S**
Sprouse, II et al. (45) **Date of Patent:** **** Feb. 28, 2023**

(54) **AIR CUSHION FOR A BICYCLE SEAT**

FOREIGN PATENT DOCUMENTS

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CA 2214760 7/1997
CA 2273357 6/1998

(Continued)

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OTHER PUBLICATIONS

Airhawk Inflatable, available in amazon.com, date first available May 4, 2022, site visited Nov. 4, 2022, URL:https://www.amazon.com/Inflatable-Comfortable-Air-Cell-Bike-eBike-ExBike-Exercising/dp/B09ZHVPFW/ (Year: 2022).*

(Continued)

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

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(21) Appl. No.: **29/760,312**

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(51) **LOC (14) Cl.** **06-01**

(57) **CLAIM**

(52) **U.S. Cl.**

The ornamental design for an air cushion for a bicycle seat, as shown and described.

USPC **D6/354**; D6/601

(58) **Field of Classification Search**

DESCRIPTION

USPC D6/354, 355, 595, 601, 604, 611, 716.1; D12/114, 119

CPC B62J 1/00-007; B62J 1/08; B62J 1/18-26
See application file for complete search history.

FIG. 1 is a top perspective view of an air cushion for a bicycle seat;

FIG. 2 is a top view of the air cushion illustrated in FIG. 1;

FIG. 3 is a bottom view of the air cushion illustrated in FIG. 1;

FIG. 4 is a front elevation view of the air cushion illustrated in FIG. 1;

FIG. 5 is a rear elevation view of the air cushion illustrated in FIG. 1;

FIG. 6 is a right side elevation view of the air cushion illustrated in FIG. 1; and,

FIG. 7 is a left side elevation view of the air cushion illustrated in FIG. 1.

The dashed lines showing the remainder of the air cushion are for illustrative purposes only and form no part of the claimed design.

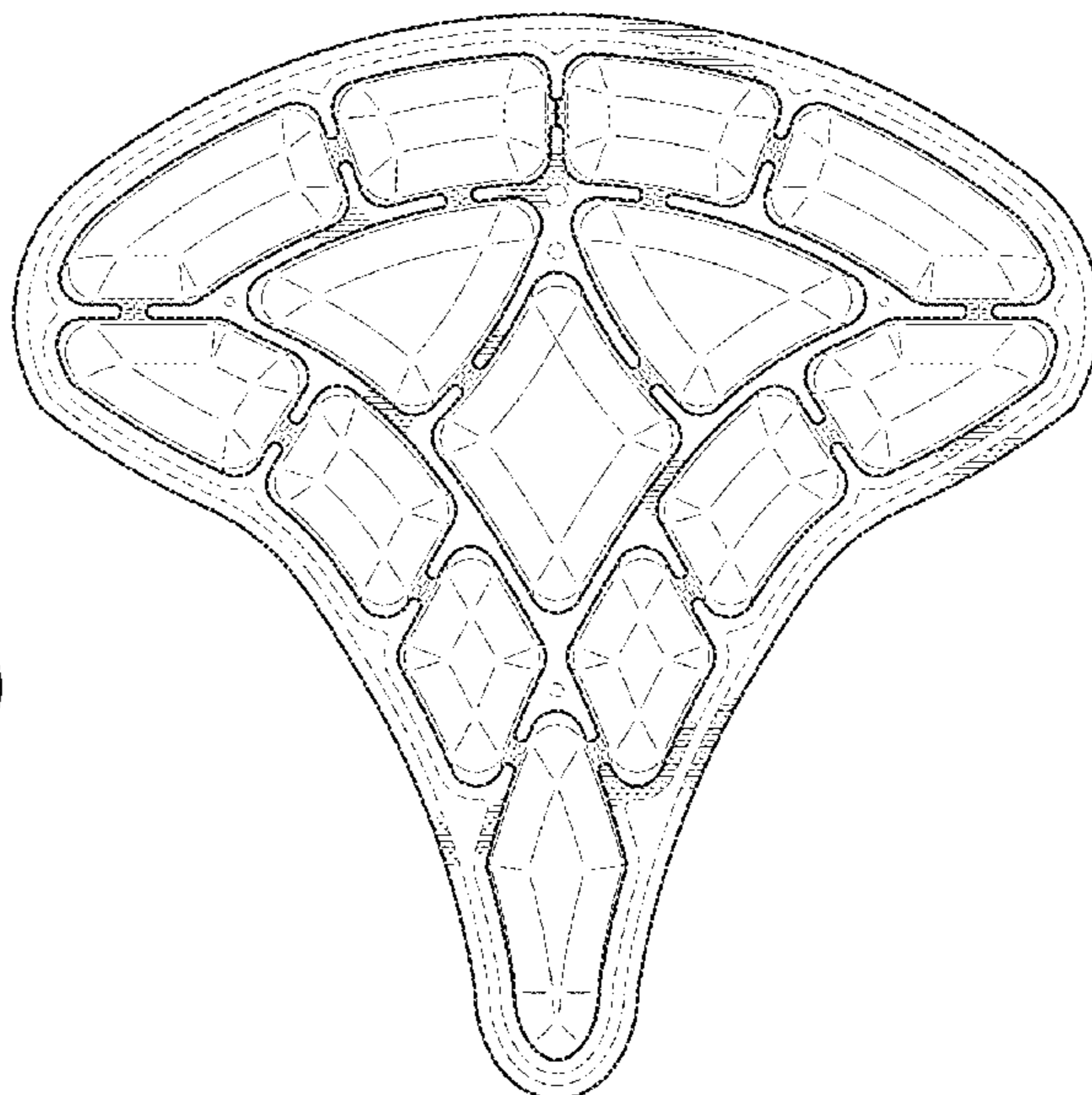
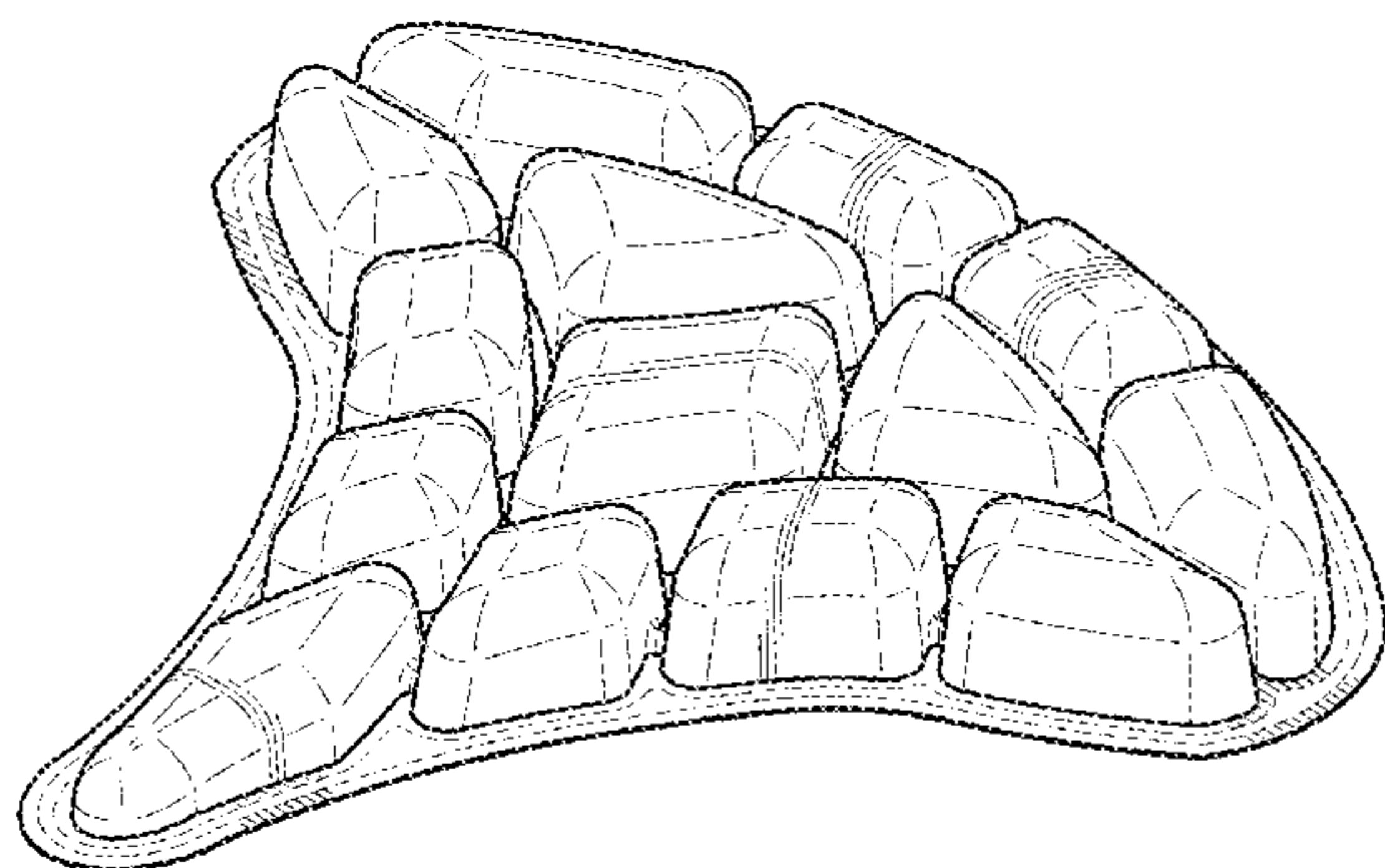
(56) **References Cited**

U.S. PATENT DOCUMENTS

594,451 A	11/1897	Wheeler	
2,332,847 A	10/1943	Franke	
4,012,072 A	3/1977	Hansen	
D271,163 S *	11/1983	Johnson	D6/354
4,451,083 A	5/1984	Marchello	
4,779,924 A	10/1988	Rudel	
5,108,076 A	4/1992	Chiarella	
5,165,752 A	11/1992	Terry	
5,244,251 A	9/1993	Bourla	
5,286,082 A	2/1994	Hanson	

(Continued)

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,348,369 A 9/1994 Yu
 5,353,734 A 10/1994 Tani
 5,356,205 A 10/1994 Calvert
 5,419,612 A 5/1995 Rassekhi
 5,461,741 A 10/1995 Graebe
 5,658,050 A 8/1997 Lorbiecki
 5,711,573 A 1/1998 Daniels et al.
 5,738,406 A 4/1998 Deus
 5,769,488 A 6/1998 Daniels et al.
 5,904,396 A 5/1999 Yates
 5,975,629 A 11/1999 Lorbiecki
 6,007,149 A 12/1999 Yates
 6,022,073 A 2/2000 Yates
 6,027,166 A 2/2000 Yates
 D428,270 S * 7/2000 Bigolin D6/354
 6,106,059 A 8/2000 Minkow
 6,135,550 A 10/2000 Tucho
 6,136,426 A 10/2000 Bigolin
 6,231,122 B1 5/2001 Goldstein
 6,257,662 B1 7/2001 Yates
 6,345,865 B1 2/2002 Ashida et al.
 6,450,572 B1 9/2002 Kuipers
 6,598,251 B2 7/2003 Habboub et al.
 6,860,551 B1 3/2005 Chi
 6,860,552 B1 3/2005 Bigolin
 6,886,887 B2 5/2005 Yu
 6,942,291 B2 9/2005 Yu
 7,055,900 B2 6/2006 Losio
 7,121,622 B1 10/2006 Mendez
 7,350,251 B2 4/2008 Fraser et al.
 7,604,292 B1 10/2009 Reading
 7,628,451 B2 12/2009 Chuang
 7,648,198 B1 1/2010 Matsler
 7,661,757 B2 2/2010 Chuang
 7,681,265 B2 3/2010 Fraser
 7,699,392 B2 4/2010 Chuang
 D647,344 S * 10/2011 Goeckel D6/601
 8,047,604 B2 11/2011 Chuang
 D658,396 S * 5/2012 Sprouse, II B62J 1/00
 D6/354

D672,569 S * 12/2012 Sprouse, II D6/354
 D673,785 S 1/2013 Sprouse, II
 8,973,986 B1 3/2015 Marceleno
 9,132,874 B2 9/2015 Sam
 D781,615 S * 3/2017 Parman D6/604
 D788,493 S * 6/2017 Parman D6/604
 D798,634 S * 10/2017 Sprouse, II D6/601
 9,878,755 B2 1/2018 Rouland et al.
 D906,018 S * 12/2020 Echert D6/354
 D906,019 S * 12/2020 Echert D6/354
 2003/0041379 A1 3/2003 Habboub et al.
 2003/0205920 A1 11/2003 Sprouse, II et al.
 2004/0183343 A1 9/2004 Probst
 2005/0121953 A1 6/2005 Sprouse, II
 2008/0196166 A1 8/2008 Fraser
 2012/0292958 A1 11/2012 Sprouse, II
 2015/0175229 A1 6/2015 Chiba
 2015/0183476 A1 7/2015 Chiba

FOREIGN PATENT DOCUMENTS

JP 61-75756 5/1986
 JP 4-93284 8/1992
 JP H06344964 A 12/1994
 JP A2003054459 A 2/2003
 WO WO94/08839 A1 4/1994
 WO 9829010 A1 7/1998
 WO 2009124105 A2 10/2009

OTHER PUBLICATIONS

Bike Seat Cushion, available in amazon.com, date first available May 29, 2022, site visited Nov. 2, 2022, URL:https://www.amazon.com/Kecio-Inflatable-Comfortable-Stationary-Accessories/dp/B0B2R13924/ (Year: 2022).*

New Bike Seat Cover, available in amazon.com, date first available Oct. 12, 2021, site visited Nov. 2, 2022, URL:https://www.amazon.com/Absorbing-Inflation-Tools-Dual-Inflatable-Exercise/dp/B09J93ZWST (Year: 2021).*

Extended Supplementary European Search Report, European Patent Application Serial No. EP 13 86 9329.6, dated Mar. 28, 2017.

* cited by examiner

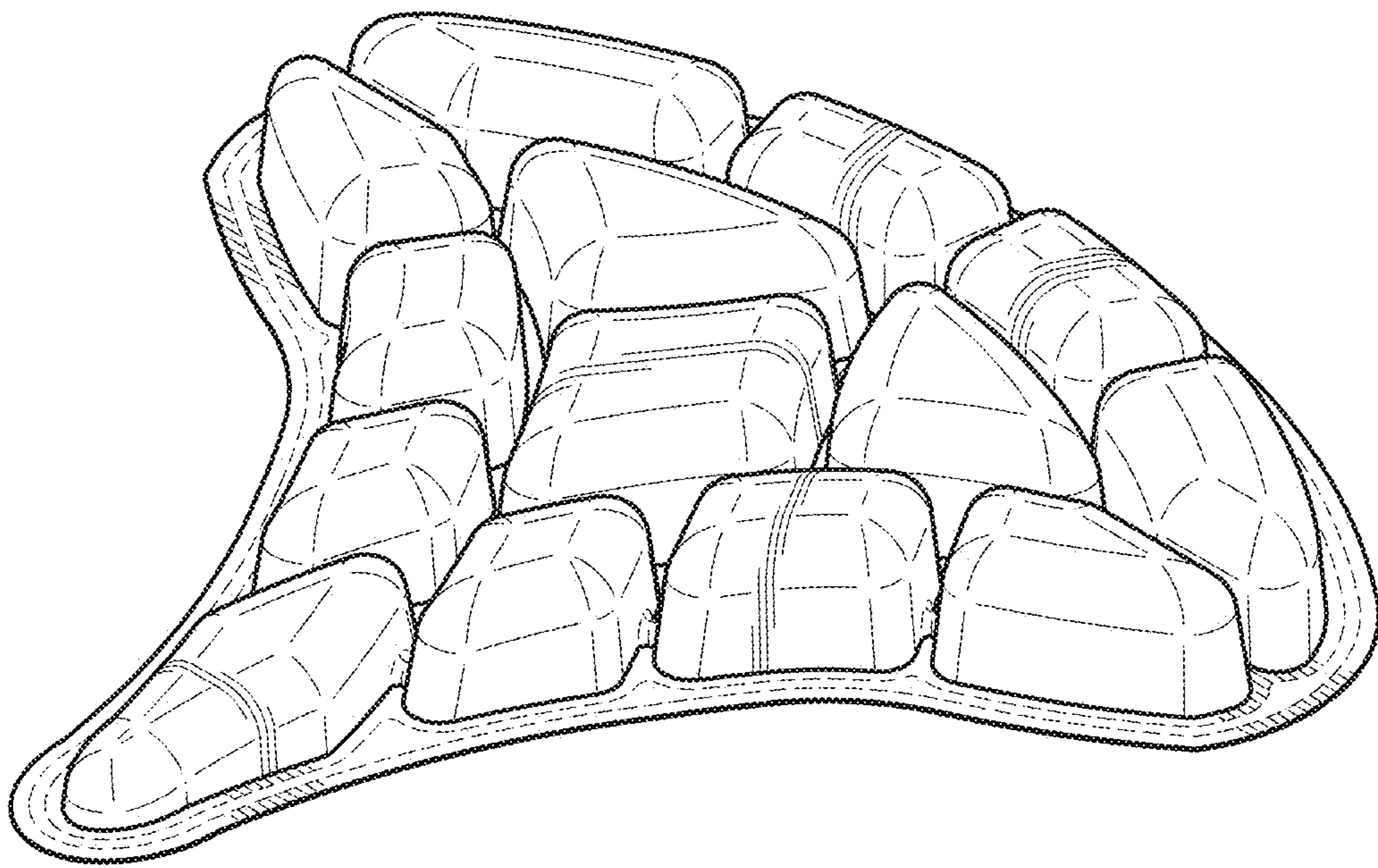


FIG. 1

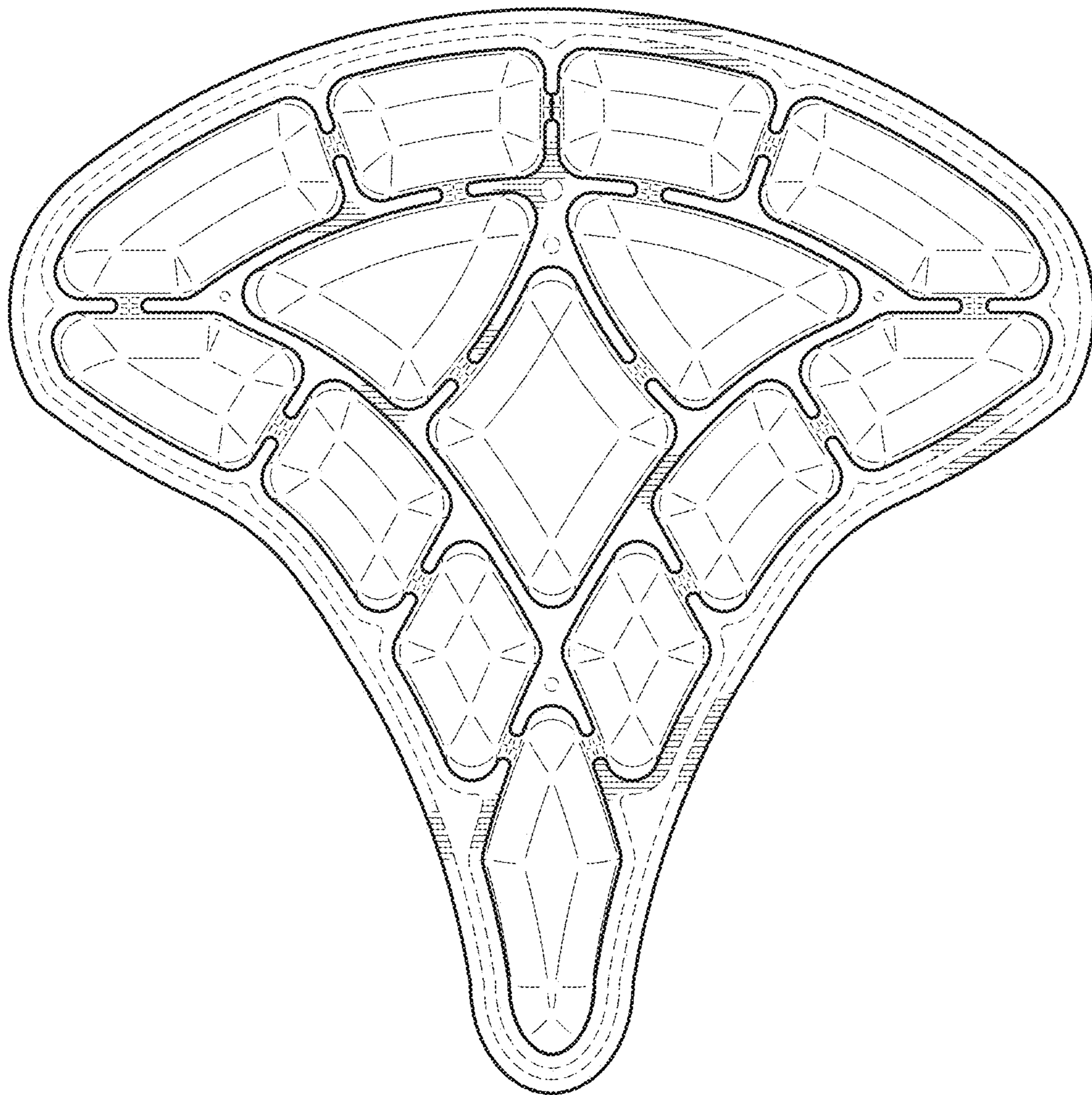


FIG. 2

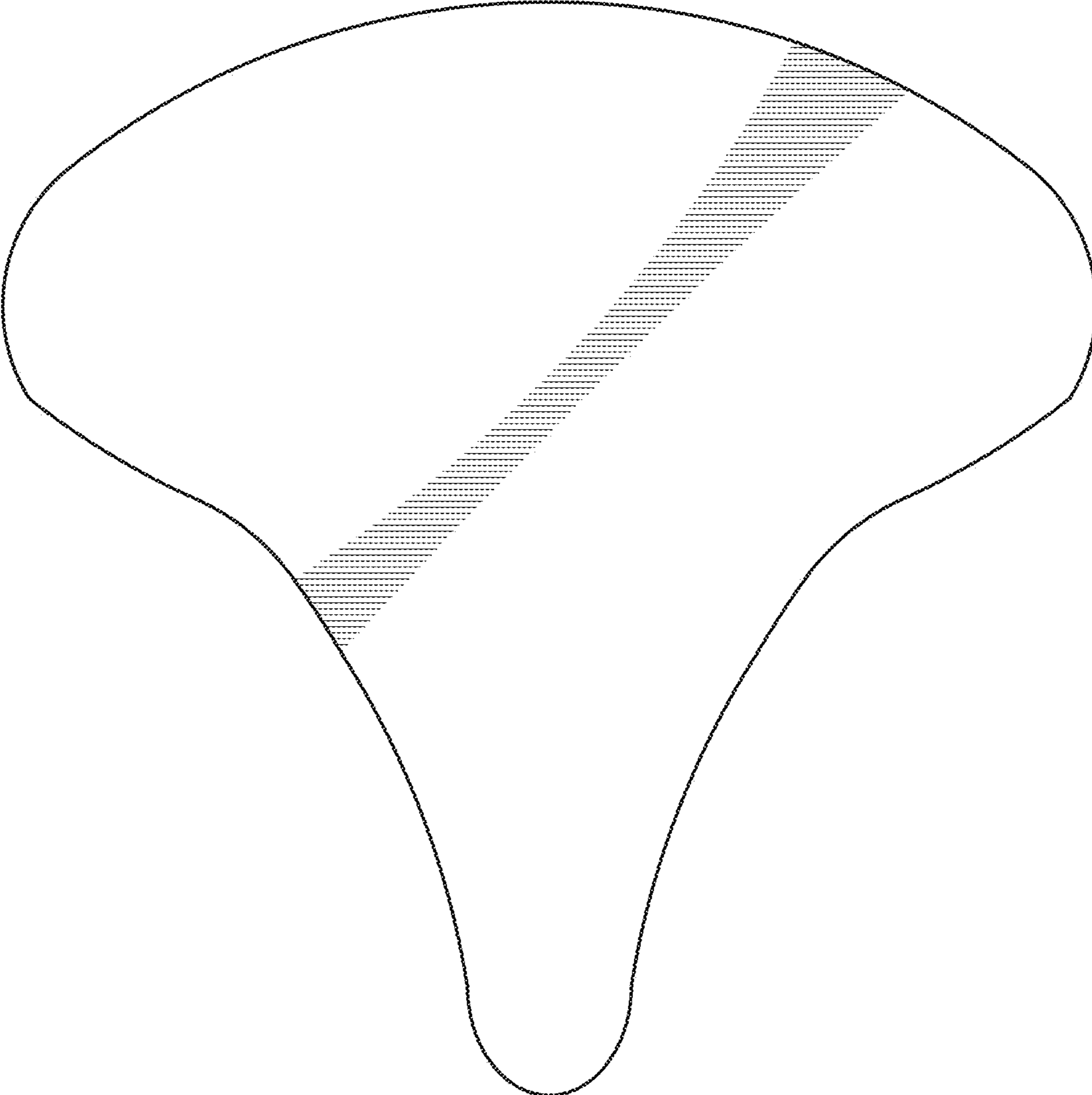


FIG. 3



FIG. 4

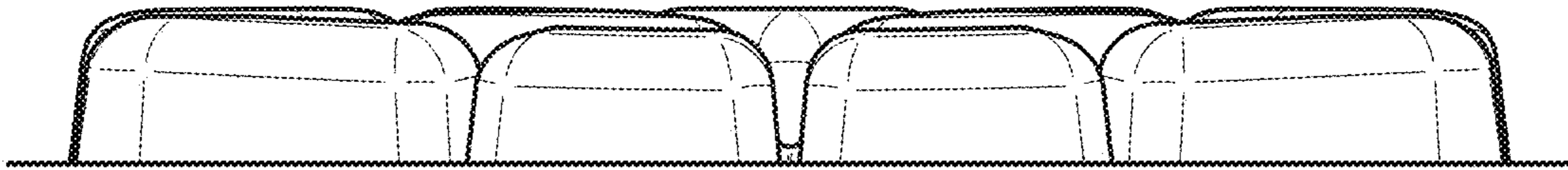


FIG. 5

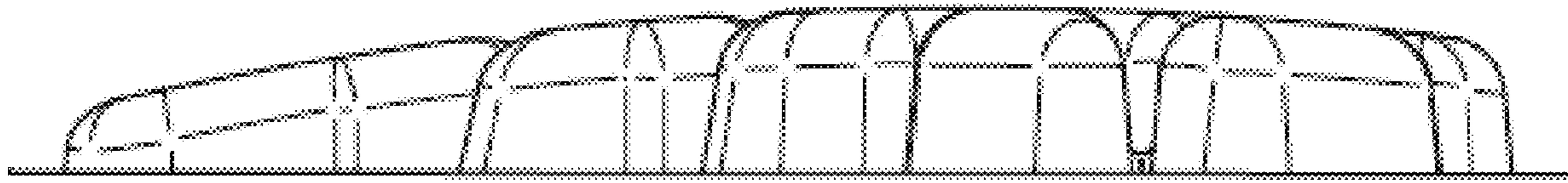


FIG. 6

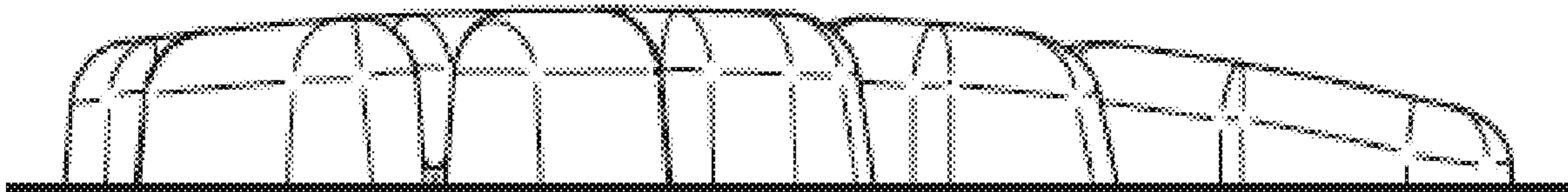


FIG. 7