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(12) **United States Design Patent**  
**Cook et al.**

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(54) **PRIMARY PACKAGE FOR A SOLID, SINGLE DOSE BEAUTY CARE COMPOSITION**

FOREIGN PATENT DOCUMENTS

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CA 169627 S 5/2018  
CN 1138091 12/1996  
(Continued)

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OTHER PUBLICATIONS

TakaTerra. Shampoo Bar with Nettle and Tamanu Oil for Fragile  
Hair. Publication date unavailable. Visited Apr. 19, 2022. [https://  
takaterra.com/en/bar-shampoo-grandma-solidu](https://takaterra.com/en/bar-shampoo-grandma-solidu) (Year: 0).\*

(Continued)

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

(57) **CLAIM**

The ornamental design for a primary package for a solid,  
single dose beauty care composition, as shown and  
described.

(21) Appl. No.: **29/831,534**

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**DESCRIPTION**

**Related U.S. Application Data**

(62) Division of application No. 29/728,687, filed on Mar.  
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(51) **LOC (13) Cl.** ..... **09-03**

(52) **U.S. Cl.**  
USPC ..... **D9/415; D9/425; D9/732; D28/4;  
D28/8.1**

(58) **Field of Classification Search**

USPC ..... D9/414–418, 420, 422, 423, 430, 432,  
D9/424, 425, 426, 428, 456, 499, 500,

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,356,168 A 8/1944 Mabley  
2,396,278 A 3/1946 Otto

(Continued)

FIG. 1 is a first perspective view of a primary package for  
a solid, single dose beauty care composition, embodying our  
new design;

FIG. 2 is a second perspective view of the primary package  
of FIG. 1;

FIG. 3 is a front view of the primary package of FIG. 1;

FIG. 4 is a back view of the primary package of FIG. 1;

FIG. 5 is a first side view of the primary package of FIG. 1;

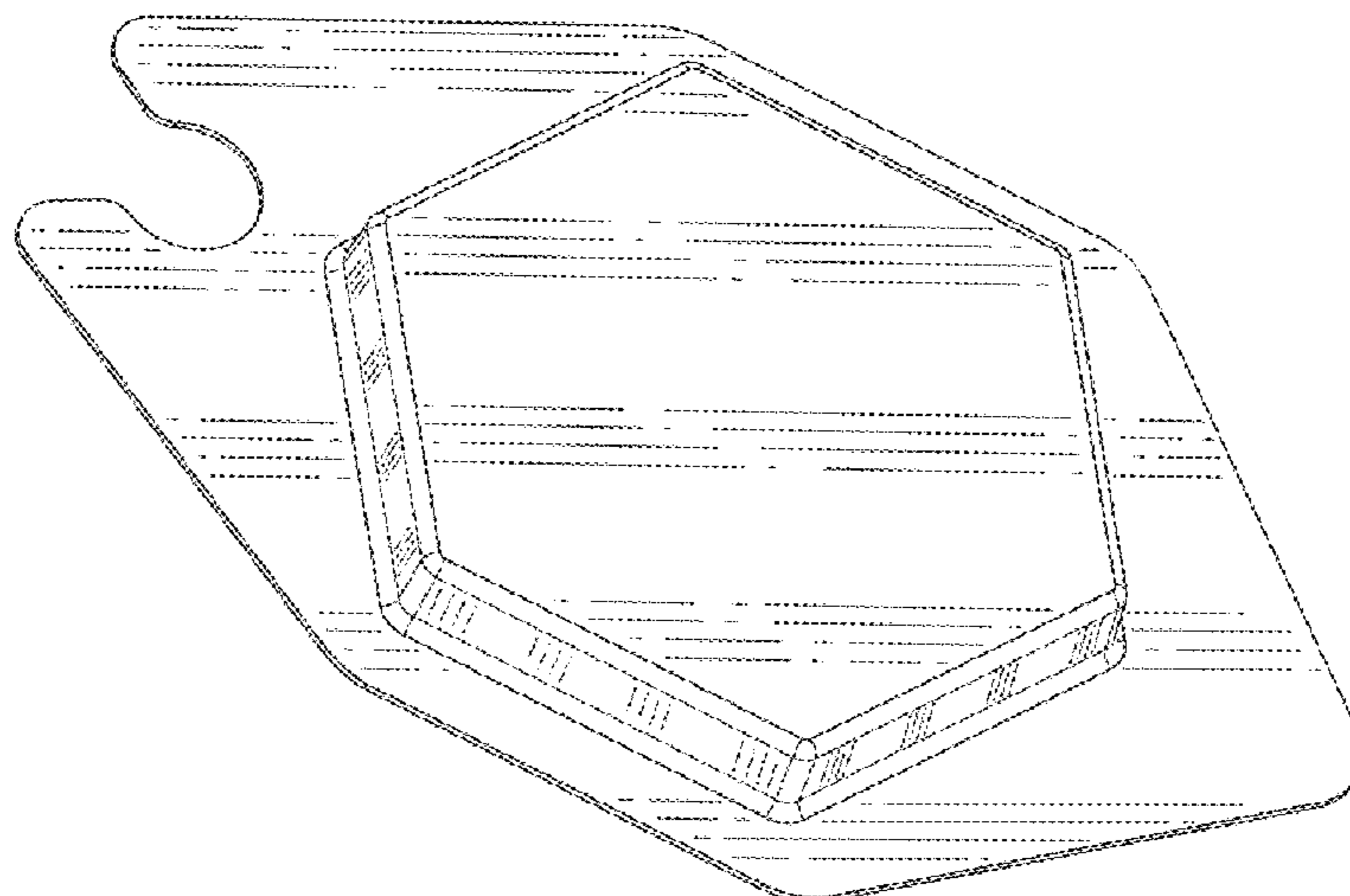
FIG. 6 is a second side view of the primary package of FIG.  
1;

FIG. 7 is a third side view of the primary package of FIG.  
1; and,

FIG. 8 is a fourth side view of the primary package of FIG.  
1.

In the drawings, the broken lines show portions of a primary  
package for a solid, single dose beauty care composition that  
form no part of the claim.

**1 Claim, 2 Drawing Sheets**



(58) **Field of Classification Search**

USPC ..... D9/700, 702-714, 721, 722, 768, 770,  
 D9/771, 753, 731, 732; D3/203.1-203.3;  
 D7/601, 602; D28/4, 5, 7, 8.1, 8.2, 9, 10,  
 D28/73, 74, 76, 78, 79, 81-84, 99;  
 D6/328; D1/100, 106, 120-122,  
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 CPC ..... B65D 51/1611; B65D 43/162; B65D  
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(56) **References Cited**

U.S. PATENT DOCUMENTS

2,438,091 A 3/1948 Lynch  
 2,486,921 A 11/1949 Byerly  
 2,486,922 A 11/1949 Bruce  
 2,528,378 A 10/1950 Mannheimer  
 2,613,185 A 10/1952 Marshall  
 2,658,072 A 11/1953 Milton  
 2,694,668 A 11/1954 Fricke  
 2,809,971 A 10/1957 Jack et al.  
 3,152,046 A 10/1964 Maria  
 D201,594 S \* 7/1965 Woodard ..... D8/367  
 3,236,733 A 2/1966 Karsten et al.  
 3,321,425 A 5/1967 Karl-Ludwig et al.  
 3,332,880 A 7/1967 Adriaan et al.  
 D210,355 S \* 3/1968 Lay ..... D9/415  
 3,426,440 A 2/1969 Shen et al.  
 3,428,478 A 2/1969 Donaldson et al.  
 3,463,308 A \* 8/1969 Deneke ..... B65D 75/36  
 D9/415  
 3,489,688 A 1/1970 Pospischil  
 3,653,383 A 4/1972 Wise  
 3,695,989 A 10/1972 Albert  
 3,753,196 A 8/1973 Kurtz et al.  
 3,761,418 A 9/1973 Parran  
 3,929,678 A 12/1975 Laughlin  
 3,967,921 A 7/1976 Haberli et al.  
 4,020,156 A 4/1977 Murray et al.  
 4,051,081 A 9/1977 Jabs et al.  
 4,089,945 A 5/1978 Brinkman et al.  
 D248,543 S 7/1978 Strelcheck  
 4,149,551 A 4/1979 Benjamin et al.  
 4,185,125 A 1/1980 Kimura et al.  
 4,196,190 A 4/1980 Gehman et al.  
 4,197,865 A 4/1980 Jacquet et al.  
 4,206,196 A 6/1980 Davis  
 4,217,914 A 8/1980 Jacquet et al.  
 4,272,511 A 6/1981 Papantoniou et al.  
 D260,691 S 9/1981 Hines  
 4,323,683 A 4/1982 Bolich, Jr. et al.  
 4,345,080 A 8/1982 Bolich, Jr.  
 D266,829 S 11/1982 Yoshizawa et al.  
 4,379,753 A 4/1983 Bolich, Jr.  
 4,381,919 A 5/1983 Jacquet et al.  
 4,422,853 A 12/1983 Jacquet et al.  
 4,470,982 A 9/1984 Winkler  
 4,507,280 A 3/1985 Pohl et al.  
 4,529,586 A 7/1985 De Marco et al.  
 4,536,361 A 8/1985 Torobin  
 4,565,647 A 1/1986 Llenado  
 D286,450 S 10/1986 Tovey  
 4,635,351 A 1/1987 Koch et al.  
 4,663,158 A 5/1987 Wolfram et al.  
 4,710,374 A 12/1987 Grollier et al.  
 4,727,410 A 2/1988 Higgins  
 4,822,613 A 4/1989 Rodero  
 4,885,107 A 12/1989 Wetzel  
 4,976,953 A 12/1990 Orr et al.  
 4,990,280 A 2/1991 Thorengaard  
 5,055,384 A 10/1991 Kuehnert

5,061,481 A 10/1991 Suzuki et al.  
 5,062,889 A 11/1991 Hoehl et al.  
 5,062,994 A 11/1991 Imperatori  
 5,094,853 A 3/1992 Hagarty  
 5,098,636 A 3/1992 Balk  
 5,100,657 A 3/1992 Ansher-jackson et al.  
 5,100,658 A 3/1992 Bolich, Jr. et al.  
 5,102,129 A 4/1992 Roberts  
 5,104,646 A 4/1992 Bolich, Jr.  
 5,106,609 A 4/1992 Bolich, Jr.  
 5,166,276 A 11/1992 Hayama et al.  
 D334,420 S 3/1993 Copeland et al.  
 5,216,203 A 6/1993 Gower  
 5,220,033 A 6/1993 Kamei et al.  
 5,261,426 A 11/1993 Kellett et al.  
 5,280,079 A 1/1994 Allen et al.  
 RE34,584 E 4/1994 Grote et al.  
 D349,976 S 8/1994 Connell  
 D351,345 S 10/1994 Geho  
 5,391,368 A 2/1995 Gerstein  
 D357,115 S 4/1995 Ashley et al.  
 5,409,703 A 4/1995 Mcanalley et al.  
 D358,025 S 5/1995 Martin et al.  
 5,415,810 A 5/1995 Lee  
 5,429,628 A 7/1995 Trinh et al.  
 5,455,114 A 10/1995 Ohmory  
 5,457,895 A 10/1995 Thompson et al.  
 5,458,433 A 10/1995 Stastny  
 D364,491 S 11/1995 Bradfield et al.  
 5,476,597 A 12/1995 Sakata et al.  
 5,501,238 A 3/1996 Borstel et al.  
 5,533,636 A 7/1996 Reiker  
 5,580,481 A 12/1996 Sakata et al.  
 5,582,786 A 12/1996 Brunskill et al.  
 D378,180 S 2/1997 Hayes  
 D380,826 S 7/1997 Sybilensky  
 5,660,845 A 8/1997 Trinh et al.  
 D384,438 S 9/1997 Hage  
 5,672,576 A 9/1997 Behrens et al.  
 5,673,576 A 10/1997 Chen et al.  
 5,674,478 A 10/1997 Dodd  
 5,750,122 A 5/1998 Evans  
 5,780,047 A 7/1998 Kamiya et al.  
 D398,847 S 9/1998 Wyslotsky  
 D399,260 S 10/1998 Thimote  
 D407,640 S 4/1999 Crapser et al.  
 D408,223 S 4/1999 Henry  
 5,911,224 A 6/1999 Berger  
 5,925,603 A 7/1999 D Angelo  
 5,955,419 A 9/1999 Barket, Jr. et al.  
 D416,103 S 11/1999 Hashmi  
 D417,253 S 11/1999 Addonizio  
 5,976,454 A 11/1999 Sterzel et al.  
 D418,415 S 1/2000 Hayes  
 D418,750 S 1/2000 Blin  
 6,010,719 A 1/2000 Remon et al.  
 6,029,808 A \* 2/2000 Peck ..... B65D 75/326  
 206/210  
 6,034,043 A 3/2000 Fujiwara  
 D427,902 S 7/2000 Hayes  
 6,106,849 A 8/2000 Malkan et al.  
 6,177,391 B1 1/2001 Zafar  
 6,200,949 B1 3/2001 Reijmer et al.  
 D441,869 S 5/2001 Bloor et al.  
 D442,353 S 5/2001 Macias  
 D442,739 S 5/2001 Friesenhahn  
 D443,389 S 6/2001 Friesenhahn  
 D445,674 S 7/2001 Pritchett  
 D445,675 S 7/2001 Richardson  
 D448,802 S 10/2001 Lariviere, Jr. et al.  
 D449,881 S 10/2001 Mock, Sr.  
 D450,378 S 11/2001 Minakuchi et al.  
 6,365,142 B1 4/2002 Tamura  
 D462,900 S 9/2002 Yamada et al.  
 D464,486 S 10/2002 Vasudeva  
 6,458,754 B1 10/2002 Velazquez et al.  
 D465,303 S 11/2002 Friesenhahn  
 6,503,521 B1 1/2003 Atis et al.  
 6,525,034 B2 2/2003 Dalrymple et al.



(56)

References Cited

U.S. PATENT DOCUMENTS

D479,561 S	9/2003	Meyer	D740,928 S	10/2015	Bruining et al.
D484,749 S	1/2004	Garraway	9,198,838 B2	12/2015	Glenn, Jr.
D485,643 S	1/2004	Mcleish	D748,240 S	1/2016	Goode
D489,162 S	5/2004	Dings-plooij	D769,522 S	10/2016	Venet
D493,105 S	7/2004	Childs et al.	D771,788 S	11/2016	Duckwitz
6,790,814 B1	9/2004	Marin	D774,086 S	12/2016	Montes et al.
D497,437 S	10/2004	Poliacek et al.	D775,198 S	12/2016	Montes et al.
6,800,295 B2	10/2004	Fox	9,539,444 B2	1/2017	Kinoshita
6,808,375 B2	10/2004	Kloetzer	D778,026 S	2/2017	Roetheli
6,825,161 B2	11/2004	Shefer et al.	D793,025 S	8/2017	Slusarczyk et al.
6,831,046 B2	12/2004	Carew et al.	D797,551 S	9/2017	Chatterton
6,846,784 B2	1/2005	Engel et al.	D798,143 S	9/2017	Chatterton
6,878,368 B2	4/2005	Ohta	D800,545 S	10/2017	Burton
D509,935 S	9/2005	Burt	D801,802 S	11/2017	Loritz
6,943,200 B1	9/2005	Corrand et al.	D808,583 S	1/2018	Zietek
D515,915 S	2/2006	Karim	D811,922 S	3/2018	Lefave
D517,410 S	3/2006	Grant	D811,935 S	3/2018	Hughes
7,015,181 B2	3/2006	Lambino	D819,836 S	6/2018	Noël
D520,185 S	5/2006	Zeng et al.	D848,102 S	5/2019	Carlson et al.
D525,879 S	8/2006	Ueda et al.	D850,041 S	5/2019	Endle
D526,885 S	8/2006	Kelleghan	10,294,586 B2	5/2019	Sivik et al.
D535,196 S	1/2007	Ueda et al.	D851,344 S	6/2019	Carlson et al.
7,208,460 B2	4/2007	Shefer et al.	D857,156 S	8/2019	Hani
D549,051 S	8/2007	Nordwall	D857,242 S	8/2019	Darrow et al.
7,285,520 B2	10/2007	Krzysik	D857,929 S	8/2019	Darrow et al.
7,387,787 B2	6/2008	Fox	D858,308 S	9/2019	Vega et al.
D576,753 S	9/2008	Mukai	D859,533 S	9/2019	Landi, Jr.
D577,332 S	9/2008	Moore	D862,020 S	10/2019	Gorrell et al.
D578,010 S	10/2008	Friedland et al.	D862,218 S	10/2019	Giwani
D578,881 S	10/2008	Friedland	D863,600 S	10/2019	Chao
D588,332 S	3/2009	Phelan	D864,507 S	10/2019	Stoughton et al.
D605,527 S	12/2009	Kerr et al.	D866,105 S	11/2019	Carlson et al.
D619,888 S	7/2010	Domingues et al.	D866,891 S	11/2019	Carlson et al.
7,832,552 B2	11/2010	Newman	D866,892 S	11/2019	Hunt et al.
7,846,462 B2	12/2010	Spadini et al.	D866,893 S	11/2019	Hunt et al.
7,892,992 B2	2/2011	Kamada et al.	D867,717 S	11/2019	Chavez
7,901,696 B2	3/2011	Eknoian et al.	D868,159 S	11/2019	Swisher et al.
D637,073 S	5/2011	Morcos	D868,953 S	12/2019	Mckendree
D640,921 S	7/2011	Caldwell	D875,518 S	2/2020	Giwani
D644,541 S	9/2011	Schrader et al.	10,569,286 B2	2/2020	Anderson et al.
D651,096 S	12/2011	Nakagiri	D878,694 S	3/2020	Carlson et al.
D655,154 S	3/2012	Amos	D885,912 S	6/2020	Silva
8,197,830 B2	6/2012	Helfiman et al.	10,694,917 B2	6/2020	Dreher et al.
8,268,764 B2	9/2012	Glenn, Jr. et al.	D895,429 S	9/2020	Foote
8,273,333 B2	9/2012	Glenn, Jr.	D896,067 S	9/2020	Giwani
8,288,332 B2	10/2012	Fossum et al.	D901,115 S	11/2020	Carlson et al.
8,309,505 B2	11/2012	Fossum et al.	D903,152 S	11/2020	Chao
8,349,341 B2	1/2013	Glenn, Jr. et al.	D905,975 S	12/2020	Svihilik
8,349,786 B2	1/2013	Glenn, Jr. et al.	D906,802 S	1/2021	Chi
8,349,787 B2	1/2013	Glenn, Jr. et al.	D910,434 S	2/2021	Tan et al.
8,357,728 B2	1/2013	Butler et al.	D910,457 S	2/2021	Lee
D680,882 S	4/2013	Logue	D921,166 S	6/2021	Meyers
8,415,287 B2	4/2013	Glenn, Jr. et al.	D922,694 S	6/2021	Huang
D682,622 S	5/2013	Keys	D933,095 S	10/2021	Heiner et al.
D682,671 S	5/2013	Gottschalk	D936,354 S	11/2021	Margetis
D683,619 S	6/2013	Lamb et al.	D938,132 S *	12/2021	Mark ..... D1/128
D683,620 S	6/2013	Lamb et al.	D939,359 S	12/2021	Washington et al.
8,461,090 B2	6/2013	Glenn, Jr. et al.	D939,965 S	1/2022	Haazen
8,461,091 B2	6/2013	Glenn, Jr.	D942,111 S	2/2022	De Boer
8,466,099 B2	6/2013	Glenn, Jr. et al.	D943,200 S *	2/2022	Gerhards ..... D28/8.1
D685,436 S	7/2013	Menting	D944,030 S	2/2022	Wright et al.
D686,913 S	7/2013	Kirk et al.	11,236,293 B2 *	2/2022	Ellson ..... C11D 17/045
8,476,211 B2	7/2013	Glenn, Jr. et al.	D946,415 S *	3/2022	Puyguiraud ..... D9/707
8,546,640 B2	10/2013	Popovsky et al.	D948,346 S *	4/2022	Collier ..... D9/600
D694,621 S	12/2013	Mccarthy	D948,836 S	4/2022	De Boer
D695,103 S	12/2013	Kirk et al.	D949,006 S	4/2022	Albert
8,723,333 B2	5/2014	Park	D959,052 S *	7/2022	Gerhards ..... D9/707
8,765,170 B2	7/2014	Glenn, Jr.	D959,284 S *	8/2022	Burmeister ..... D9/721
D712,159 S	9/2014	Clerici et al.	2002/0077264 A1	6/2002	Roberts et al.
D712,822 S	9/2014	Brusaw et al.	2002/0081930 A1	6/2002	Jackson et al.
D713,259 S	9/2014	Naef et al.	2002/0098994 A1	7/2002	Zafar
D726,534 S	4/2015	Lo et al.	2002/0099109 A1	7/2002	Dutton et al.
9,062,186 B2	6/2015	Longdon et al.	2002/0177621 A1	11/2002	Hanada et al.
D737,691 S	9/2015	Abbott et al.	2002/0187181 A1	12/2002	Godbey et al.
D739,227 S	9/2015	Mitchell et al.	2003/0018242 A1	1/2003	Hursh et al.
			2003/0032573 A1	2/2003	Tanner et al.
			2003/0045441 A1	3/2003	Hsu et al.
			2003/0069154 A1	4/2003	Hsu et al.
			2003/0080150 A1	5/2003	Cowan



(56)

References Cited

U.S. PATENT DOCUMENTS

2003/0099691 A1 5/2003 Lydzinski et al.  
 2003/0099692 A1 5/2003 Lydzinski et al.  
 2003/0141662 A1 7/2003 Kost et al.  
 2003/0180242 A1 9/2003 Eccard et al.  
 2003/0186826 A1 10/2003 Eccard et al.  
 2003/0194416 A1 10/2003 Shefer  
 2003/0199412 A1 10/2003 Gupta  
 2003/0209166 A1 11/2003 Vanmaele et al.  
 2003/0215522 A1 11/2003 Johnson et al.  
 2003/0232183 A1 12/2003 Dufton  
 2004/0029762 A1 2/2004 Hensley  
 2004/0032859 A1 2/2004 Miao  
 2004/0048759 A1 3/2004 Ribble et al.  
 2004/0048771 A1 3/2004 Mcdermott  
 2004/0053808 A1 3/2004 Raehse et al.  
 2004/0059055 A1 3/2004 Inada  
 2004/0071742 A1 4/2004 Popplewell  
 2004/0071755 A1 4/2004 Fox  
 2004/0108615 A1 6/2004 Foley  
 2004/0110656 A1 6/2004 Casey et al.  
 2004/0126585 A1 7/2004 Kerins et al.  
 2004/0175404 A1 9/2004 Shefer  
 2004/0180597 A1 9/2004 Kamada  
 2004/0202632 A1 10/2004 Gott et al.  
 2004/0206270 A1 10/2004 Vanmaele et al.  
 2004/0242097 A1 12/2004 Hasenoehrl  
 2004/0242772 A1 12/2004 Huth et al.  
 2005/0069575 A1 3/2005 Fox  
 2005/0136780 A1 6/2005 Clark et al.  
 2005/0137272 A1 6/2005 Gaserod  
 2005/0159730 A1 7/2005 Kathrani et al.  
 2005/0202992 A1 9/2005 Grandio et al.  
 2005/0220745 A1 10/2005 Lu  
 2005/0232954 A1 10/2005 Yoshinari et al.  
 2005/0272836 A1 12/2005 Yaginuma et al.  
 2005/0287106 A1 12/2005 Legendre  
 2006/0002880 A1 1/2006 Peffly et al.  
 2006/0013869 A1 1/2006 Ignatious  
 2006/0052263 A1 3/2006 Roreger et al.  
 2006/0064510 A1 3/2006 Low et al.  
 2006/0078528 A1 4/2006 Yang  
 2006/0078529 A1 4/2006 Uchida  
 2006/0128592 A1 6/2006 Ross  
 2006/0159730 A1 7/2006 Simon  
 2006/0228319 A1 10/2006 Vona et al.  
 2006/0274263 A1 12/2006 Yacktman et al.  
 2007/0028939 A1 2/2007 Mareri et al.  
 2007/0099813 A1 5/2007 Luizzi  
 2007/0110792 A9 5/2007 Simon  
 2007/0135528 A1 6/2007 Butler et al.  
 2007/0149435 A1 6/2007 Koenig et al.  
 2007/0225388 A1 9/2007 Cooper et al.  
 2008/0019935 A1 1/2008 Khan  
 2008/0035174 A1 2/2008 Aubrun-sonneville  
 2008/0083420 A1 4/2008 Glenn et al.  
 2008/0090939 A1 4/2008 Netravali et al.  
 2008/0131695 A1 6/2008 Aouad et al.  
 2008/0138492 A1 6/2008 Cingotti  
 2008/0152894 A1 6/2008 Beihoffer et al.  
 2008/0153730 A1 6/2008 Tsaur  
 2008/0215023 A1 9/2008 Scavone et al.  
 2008/0276178 A1 11/2008 Fadell et al.  
 2008/0292669 A1 11/2008 Deng et al.  
 2008/0293839 A1 11/2008 Stobby  
 2009/0197787 A1 8/2009 Venet et al.  
 2009/0232873 A1 9/2009 Glenn, Jr.  
 2009/0263342 A1 10/2009 Glenn, Jr.  
 2010/0018641 A1 1/2010 Branham  
 2010/0150976 A1 6/2010 Schnitzler  
 2010/0167971 A1 7/2010 Glenn, Jr. et al.  
 2010/0173817 A1 7/2010 Glenn, Jr. et al.  
 2010/0229773 A1 9/2010 Droese  
 2010/0286011 A1 11/2010 Glenn, Jr. et al.  
 2010/0291165 A1 11/2010 Glenn, Jr. et al.  
 2011/0023240 A1 2/2011 Fossum

2011/0027328 A1 2/2011 Baig et al.  
 2011/0028374 A1 2/2011 Fossum et al.  
 2011/0033509 A1 2/2011 Simon  
 2011/0165110 A1 7/2011 Kinoshita et al.  
 2011/0182956 A1 7/2011 Glenn, Jr. et al.  
 2011/0189247 A1 8/2011 Glenn, Jr.  
 2011/0195098 A1 8/2011 Glenn, Jr.  
 2011/0250256 A1 10/2011 Hyun-Oh et al.  
 2011/0287687 A1 11/2011 Kramer et al.  
 2012/0021026 A1 1/2012 Glenn, Jr.  
 2012/0052036 A1 3/2012 Glenn, Jr.  
 2012/0052037 A1 3/2012 Sivik et al.  
 2012/0107534 A1 5/2012 Wnuk et al.  
 2012/0237576 A1 9/2012 Gordon  
 2012/0270029 A1 10/2012 Glenn, Jr. et al.  
 2012/0294823 A1 11/2012 Aramwit  
 2012/0321580 A1 12/2012 Glenn, Jr.  
 2013/0236520 A1 9/2013 Popovskey et al.  
 2013/0303419 A1 11/2013 Glenn, Jr. et al.  
 2014/0329428 A1 11/2014 Glenn, Jr.  
 2015/0102307 A1 4/2015 Tajima et al.  
 2015/0297494 A1 10/2015 Mao  
 2015/0313803 A1 11/2015 Lynch et al.  
 2015/0313804 A1 11/2015 Lynch et al.  
 2015/0313805 A1 11/2015 Lynch et al.  
 2015/0313806 A1 11/2015 Lynch et al.  
 2015/0313807 A1 11/2015 Lynch et al.  
 2015/0313808 A1 11/2015 Lynch et al.  
 2015/0313809 A1 11/2015 Lynch et al.  
 2015/0315350 A1 11/2015 Mao  
 2016/0101026 A1 4/2016 Pratt  
 2016/0101204 A1 4/2016 Lynch  
 2016/0143827 A1 5/2016 Castan Barberan  
 2016/0250109 A1 9/2016 Dreher  
 2016/0367104 A1 12/2016 Dreher et al.  
 2017/0121641 A1 5/2017 Smith  
 2017/0129678 A1 5/2017 Burton  
 2017/0335080 A1 11/2017 Mao  
 2018/0140469 A1 5/2018 Kane et al.  
 2018/0311135 A1 11/2018 Chang et al.  
 2018/0333339 A1 11/2018 Hamersky  
 2018/0334644 A1 11/2018 Hamersky et al.  
 2019/0015875 A1 1/2019 Gardner, Jr. et al.  
 2019/0183243 A1 6/2019 Brüggmann  
 2019/0282457 A1 9/2019 Pratt  
 2019/0282461 A1 9/2019 Glassmeyer  
 2019/0350819 A1 11/2019 Hamersky et al.  
 2020/0093710 A1 3/2020 Hamersky  
 2020/0214946 A1 7/2020 Chan et al.  
 2020/0308360 A1 10/2020 Mao et al.  
 2020/0405587 A1 12/2020 Song  
 2021/0000733 A1 1/2021 Hilvert  
 2021/0094744 A1 4/2021 Benson et al.  
 2021/0107263 A1 4/2021 Bartolucci et al.  
 2021/0147763 A1 5/2021 Tan et al.

FOREIGN PATENT DOCUMENTS

CN 1219388 6/1999  
 CN 1268558 10/2000  
 CN 1357613 A 7/2002  
 CN 1530431 A 9/2004  
 CN 1583991 A 2/2005  
 CN 3648760 5/2007  
 CN 301666535 9/2011  
 CN 304115833 4/2017  
 CN 106726634 A 5/2017  
 CN 106728634 A 5/2017  
 CN 304537587 3/2018  
 DE 19607851 A1 9/1997  
 DE 10331767 A1 2/2005  
 EP 609808 A1 8/1994  
 EP 0858828 A1 8/1998  
 EP 1217987 B1 12/2004  
 EP 1160311 B1 3/2006  
 EP 1958532 A2 8/2008  
 EP 2085434 A1 8/2009  
 EP 1317916 B1 10/2010  
 FR 2871685 A1 12/2005



(56)

## References Cited

## FOREIGN PATENT DOCUMENTS

FR	2886845	A1	12/2006
GB	2235204	A	2/1991
GB	2355008	A	4/2001
JP	58021608		2/1983
JP	S58216109	A	12/1983
JP	S6272609	A	4/1987
JP	S6272610	A	4/1987
JP	S6281432	A	4/1987
JP	H01172319	A	7/1989
JP	H01313418	A	12/1989
JP	H0275650	A	3/1990
JP	H05344873	A	12/1993
JP	H0617083	A	1/1994
JP	0753349		2/1995
JP	H0789852	A	4/1995
JP	H08325133	A	12/1996
JP	H09216909	A	8/1997
JP	H10251371	A	9/1998
JP	2000053998	A	2/2000
JP	2003073700	A	3/2003
JP	2003082397	A	3/2003
JP	2004256799	A	9/2004
JP	2004345983	A	12/2004
JP	2005171063	A	6/2005
JP	2007091954	A	4/2007
JP	2007197540	A	8/2007
KR	20020003442	A	1/2002
WO	8301943	A1	6/1983
WO	9514495	A1	6/1995
WO	0119948	A1	3/2001
WO	0125393	A1	4/2001
WO	200125322	A1	4/2001
WO	2001024770	A1	4/2001
WO	2001054667	A1	8/2001
WO	0238722	A2	5/2002
WO	2004032859	A1	4/2004
WO	2004041991	A1	5/2004
WO	2005003423	A1	1/2005
WO	2005070374	A1	8/2005
WO	2005075547	A1	8/2005
WO	2007033598	A1	3/2007
WO	2007093558	A1	8/2007
WO	2009019571	A2	2/2009
WO	2009095891	A1	8/2009
WO	2010077627	A2	7/2010
WO	2010085569	A1	7/2010
WO	2012120199	A1	9/2012
WO	DM100932		4/2018
WO	DM100938		4/2018
WO	DM101063		5/2018
WO	DM101100		5/2018
WO	DM101101		5/2018
WO	2019001940	A1	1/2019

## OTHER PUBLICATIONS

Astro Packaging. Hang Tabs. Publication date unavailable. Visited Apr. 19, 2022. <https://demo-octalogo.com/michaeljimanez/product/HANG-TABS/232/-clothing-racks-cash-handling-retail-tags-and-labels> (Year: 0).\*

Etsy. Hexagon Tags. Listed Feb. 3, 2022. Visited Apr. 19, 2022. <https://www.etsy.com/listing/622774825/115-custom-tags-1-x-11-hexagon-hexagon?> (Year: 2022).\*

Facebook. Homey—Portioned honey packaging by Katya Mushkina. Published by Packaging of the World on Oct. 30, 2019. Visited Apr. 19, 2022. <https://www.facebook.com/packagingoftheworld/photos/pcb.2436401276396131/2436400983062827/?type=3&theater> (Year: 2019).\*

Indiamart. Transparent Disposable PVC Blister Trays, For Packaging. Publication date unavailable. Visited Apr. 19, 2022. <https://www.indiamart.com/proddetail/pvc-blister-trays-3618179197.html> (Year: 0).\*

Adhesives Research (Pennsylvania, <http://12.4.33.51/news/apresmed.htm>).

All Office Actions; U.S. Appl. No. 14/690,593, filed Apr. 20, 2015.

All Office Actions; U.S. Appl. No. 15/665,886, filed Aug. 1, 2017.

All Office Actions; U.S. Appl. No. 15/979,961, filed May 15, 2018.

All Office Actions; U.S. Appl. No. 15/981,096, filed May 16, 2018.

All Office Actions; U.S. Appl. No. 16/431,028, filed Jun. 4, 2019.

All Office Actions; U.S. Appl. No. 16/431,115, filed Jun. 4, 2019.

All Office Actions; U.S. Appl. No. 16/577,120, filed Sep. 20, 2019.

All Office Actions; U.S. Appl. No. 16/589,504, filed Oct. 1, 2019.

All Office Actions; U.S. Appl. No. 16/901,548, filed Jun. 15, 2020.

All Office Actions; U.S. Appl. No. 16/912,876, filed Jun. 26, 2020.

All Office Actions; U.S. Appl. No. 16/918,292, filed Jul. 1, 2020.

All Office Actions; U.S. Appl. No. 16/953,975, filed Nov. 20, 2020.

All Office Actions; U.S. Appl. No. 17/070,205, filed Oct. 14, 2020.

All Office Actions; U.S. Appl. No. 29/672,822, filed Dec. 10, 2018.

All Office Actions; U.S. Appl. No. 29/676,338, filed Jan. 10, 2019.

All Office Actions; U.S. Appl. No. 29/707,807, filed Oct. 1, 2019.

All Office Actions; U.S. Appl. No. 29/707,809, filed Oct. 1, 2019.

All Office Actions; U.S. Appl. No. 29/728,687, filed Mar. 20, 2020.

All Office Actions; U.S. Appl. No. 29/766,885, filed Jan. 19, 2021.

All Office Actions; U.S. Appl. No. 29/815,500, filed Nov. 15, 2021.

All Office Actions; U.S. Appl. No. 29/831,538, filed Mar. 21, 2022.

All Office Actions; U.S. Appl. No. 29/819,499, filed Dec. 15, 2021.

Amazon. Plastic Hexagonal Weigh Boats Medium Dish by Scientific Equipment of Houston. First available May 28, 2008, Visited Oct. 25, 2021, <https://www.amazon.com/Plastic-Hexagonal-Weigh-Boats-Medium/dp/BOO1AE6GXX> (Year: 2008).

Amerilab Technologies, Inc. (Minnesota, <http://www.amerilabtech.com/>).

Anonymous “P8136 Poly(vinyl alcohol)” Internet article, [Online] XP002538935, Retrieved from the Internet: URL: [http://20.NWW.sigmaaldrich.com/catalog/ProductDetail.do?D7=0%N25-SEARCH\\_CONCAT\\_PNOIBRAND\\_KEY%N4=P8136%7SCIAL%N25=0%QS=ON%F=SPEC](http://20.NWW.sigmaaldrich.com/catalog/ProductDetail.do?D7=0%N25-SEARCH_CONCAT_PNOIBRAND_KEY%N4=P8136%7SCIAL%N25=0%QS=ON%F=SPEC) retrieved on Jul. 28, 2009, year 2009, 1 pg.

Briscoe et al. “The effects of hydrogen bonding upon the viscosity of aqueous poly( vinyl alcohol) solutions,” from *Polymer*, 41 (2000), pp. 3851-3860.

Cardinal Health (Dublin, Ohio, <http://spd.cardinal.com/>).

Cima Labs, Inc. (Minnesota, <http://www.cimalabs.com/>).

Color Keeper [online], [site visited Oct. 18, 2021]. Available from internet, URL: [https://shopgemz.com/products/color-keeper?variant=13094595002434&utm\\_source=google&utm\\_medium=cpc&utm\\_campaign=Shopping&gclid=Cj0KCQjw5JSLBhCxARIsAHgO2SdAT7LTehpyxM1qTGtnFETDa1Nuo9\\_cQSOpPwCmsmmdGA1Y0USEkQEaAh0iEALw\\_wcB](https://shopgemz.com/products/color-keeper?variant=13094595002434&utm_source=google&utm_medium=cpc&utm_campaign=Shopping&gclid=Cj0KCQjw5JSLBhCxARIsAHgO2SdAT7LTehpyxM1qTGtnFETDa1Nuo9_cQSOpPwCmsmmdGA1Y0USEkQEaAh0iEALw_wcB) (Year: 2021).

Definition of Derivative by Merriam Webster Online Dictionary, Year, 2021.

Design of “Detergent tablets” (Design Registration No. 000634142-0003), (No. of Publicly known information: HH18274488), Registered Community Designs Bulletin, published by EUIPO on Jan. 9, 2007, 4 pgs.

Design of “Detergent tablets” (Design Registration No. 000634142-0004), (No. of Publicly known information: HH18274489), Registered Community Designs Bulletin, published by EUIPO on Jan. 9, 2007, 4 pgs.

Design of “Soaps” accepted on Jul. 11, 1986, Publishing Office: Korean Intellectual Property Office (KIPO), Document Name: Design Gazette (Application No. 3019850005996), Publication Date: Jun. 9, 1986, (No. of Publicly known information: HG21900612), 3 pgs. Dissolving Soap Strips (Ranir LLC, Michigan, [www.ranir.com](http://www.ranir.com)).

Do-It Corporation, Hang Tabs by Do-It Corporation, Retrieved from <http://www.do-it.com/products/hang-tabs>, 5 pages.

Encyclopedia of Polymer Science and Engineering, vol. 15, 2nd ed., p. 204 308 Silicones, year 1989.

Gemz Hair Care. Perfect Pairs. Publication date unavailable. Visited Jan. 26, 2022. <https://shopgemz.com/collections/perfect-pairs> (Year: 0).

Guerrini et al. “Thermal and Structural Characterization of Nanofibers of Poly( vinyl alcohol) Produced by Electrospinning”, *Journal of Applied Polymer Science*, vol. 112, Feb. 9, 2009, pp. 1680-1687. Hexagon 4 ward soap mold, Soap, Cosmetics, New Silicon mold, Published on Sep. 29, 2016, Retrieved from Internet : <http://candle->



(56)

**References Cited**

## OTHER PUBLICATIONS

box.com/product/%EC%9C%A1%EA%B0%81-4%EA%B5%AC-%EB%B9%84%EB%88%84%EB%AA%B0 %EB%93%9C/2206/?page\_4=3#none, dated Sep. 10, 2019, 16 pgs.

Hildebrand, T., et al. "Quantification of bone microarchitecture with the structure mode index", *Computer Methods in Biomechanics and Biomedical Engineering*, vol. 1, Jan. 14, 1997, pp. 15-23.

How Gemz work?, Gemz Hair Care, published on Oct. 1, 2018, retrieved on Apr. 27, 2021, retrieved from the Internet URL: <https://www.youtube.com/watch?v=ts1waYk43g4>, 3 pgs.

Japanese Paper Soap (<http://www.wishingfish.com/papersoap.html>).

Kuraray: "Mowiol—Technical data sheet", Jun. 1, 2010 (Jun. 1, 2010), pp. 1-4, XP055119891, Retrieved from the Internet: URL: [http://www.kuraray.eu/fileadmin/Downloads/mowiol/TDS\\_Mowiol\\_en\\_20110624.pdf](http://www.kuraray.eu/fileadmin/Downloads/mowiol/TDS_Mowiol_en_20110624.pdf) [retrieved on May 23, 2014].

Le Laboratoire du Bain (France, <http://www.laboudubain.com/>).

M.K. Industries (Gujarat India, <http://www.soapstrips.com>).

Megulars Car Wash Strips: Megulars Inc. California, [http://www.automotivedigesl.com/view\\_art.asp?articles!D=12414](http://www.automotivedigesl.com/view_art.asp?articles!D=12414).

Michelle Villett, Why You Need a Sulfate-Free Shampoo, *The Skincare Edit*, updated date: Jan. 25, 2019, Original publication date: Feb. 22, 2016 (Year: 2016), 7 pages.

MOVA Pharmaceutical and Kosmos (USA, [http://www.icon-pr.com/news/news/prinl.cfm?inv\\_id=256-1](http://www.icon-pr.com/news/news/prinl.cfm?inv_id=256-1)).

Okasaka et al., "Evaluation Of Anionic Surfactants Effects On The Skin Barrier Function Based On Skin Permeability", *Pharmaceutical Development and Technology*, vol. 24, No. 1, Jan. 23, 2018, pp. 99-104.

Paper Pieces Hexagons, announced 2018 [online], [site visited Oct. 14, 2021]. Available from internet, URL: <https://www.amazon.com/Paper-Pieces-HEX100B-Hexagons-1200pc/dp/B07DVYV2HN/> (Year: 2018).

Product Review: Gemz Solid Shampoo, *Travel As Much*, published on Mar. 19, 2019, retrieved on Apr. 27, 2021, retrieved from the Internet URL: <https://travelasmuch.com/gemz-solid-shampoo-review/>, 14 pgs.

Pure Soap Leafz: (Soap UNLTD. Netherlands, [http://www.upandunder.com.uk/eshop/catalogue/testbs.asp?Manufacturer\\_ID=252&Activity\\_ID=33&Description\\_ID=157](http://www.upandunder.com.uk/eshop/catalogue/testbs.asp?Manufacturer_ID=252&Activity_ID=33&Description_ID=157)).

Raymond C Rowe et al., *Polyvinyl Alcohol, Handbook of Pharmaceutical Excipients*, 2009, Sixth Edition, Pharmaceutical Press, 564-565.

Retrieved from: <https://www.craftcuts.com/hexagon-craft-shape.html> Hexagon wood cutouts, [www.craftcuts.com](http://www.craftcuts.com), 1 page, reviewed as early as May 2018 (Year: 2018), 16 pgs.

Rounded hexagon shape, announced 2016 [online], [site visited Oct. 20, 2021], Available from internet, URL: <https://www.vexels.com/png-svg/preview/139199/rounded-hexagon-shape> (Year: 2016).

Sahin et al. "A Study on Physical and Chemical Properties of Cellulose Paper Immersed in Various Solvent Mixtures" *International Journal Of Molecular Sciences*, Jan. 2008; 9(1): 78-88.

Sanipro Sanitary Products (Italy, <http://www.sanipro.iit>).

Solublön (Toyohashi Japan, <http://www.solublön.com>).

SPI Pharma (Delaware, <http://www.spipharma.com>).

Travelers Passport Paper Soap Sheets (<http://www.weddingflavornow.com/index.asp?PageAction=VIEWPROD&PROD&ProdID=510>).

Vaughan, C.D. "Solubility, Effects in Product, Package, Penetration and Preservation", *Cosmetics and Toiletries*, vol. 103, Oct. 1988, 24 pgs.

Vesterby, A.: "Star Volume in Bone Research: A Histomorphometric Analysis Of Trabecular Bone Structure Using Vertical Sections", *Anal Rec*: Feb. 1993, 232(2), pp. 325-334.

Wenda (China, <http://www.wenda.com>).

Wermuth et al. *Drug Discovery*, "Drug Discovery Today, 2006", vol. 11 7/8, 348-354, Year 2006.

Youtube. Gemz Hair Care Review (zero waste shampoo). Published Jan. 31, 2020 by Everything Proof Beauty. Visited Jan. 19, 2022. <https://www.youtube.com/watch?v=AlfBRxRytgg> (Year: 2020).

Zhang et al. "Study on Morphology of Electrospun Poly(vinyl alcohol) Mats," *European Polymer Journal* 41 (2005), pp. 423-432.

Gemz Hair Care. Perfect Air Dry Shampoo (Set of 7). Publication date unavailable. Visited Jun. 28, 2022. <https://shopgemz.com/products/perfect-airdry> (Year:0), 11 pages.

\* cited by examiner

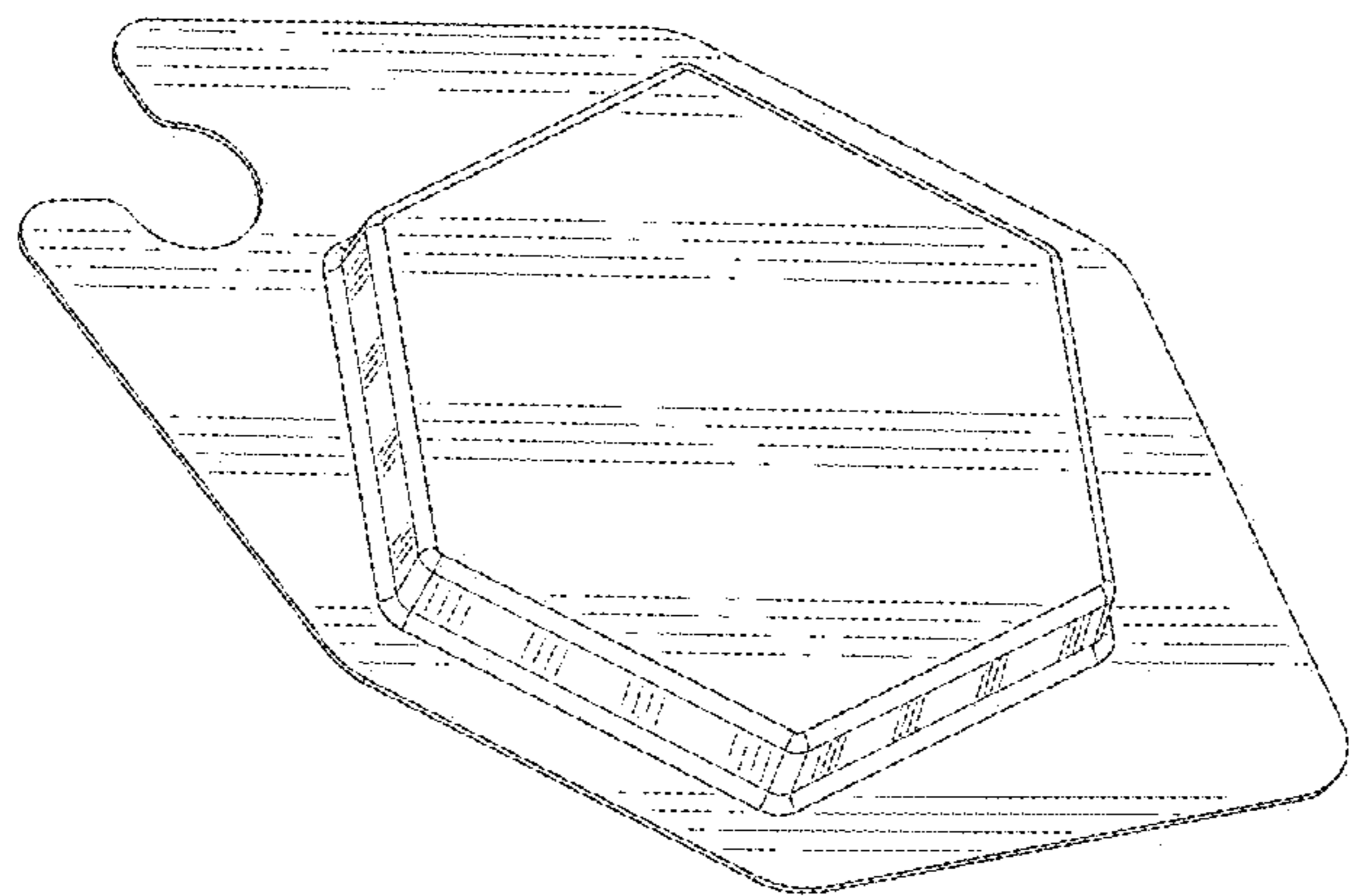


FIG. 1

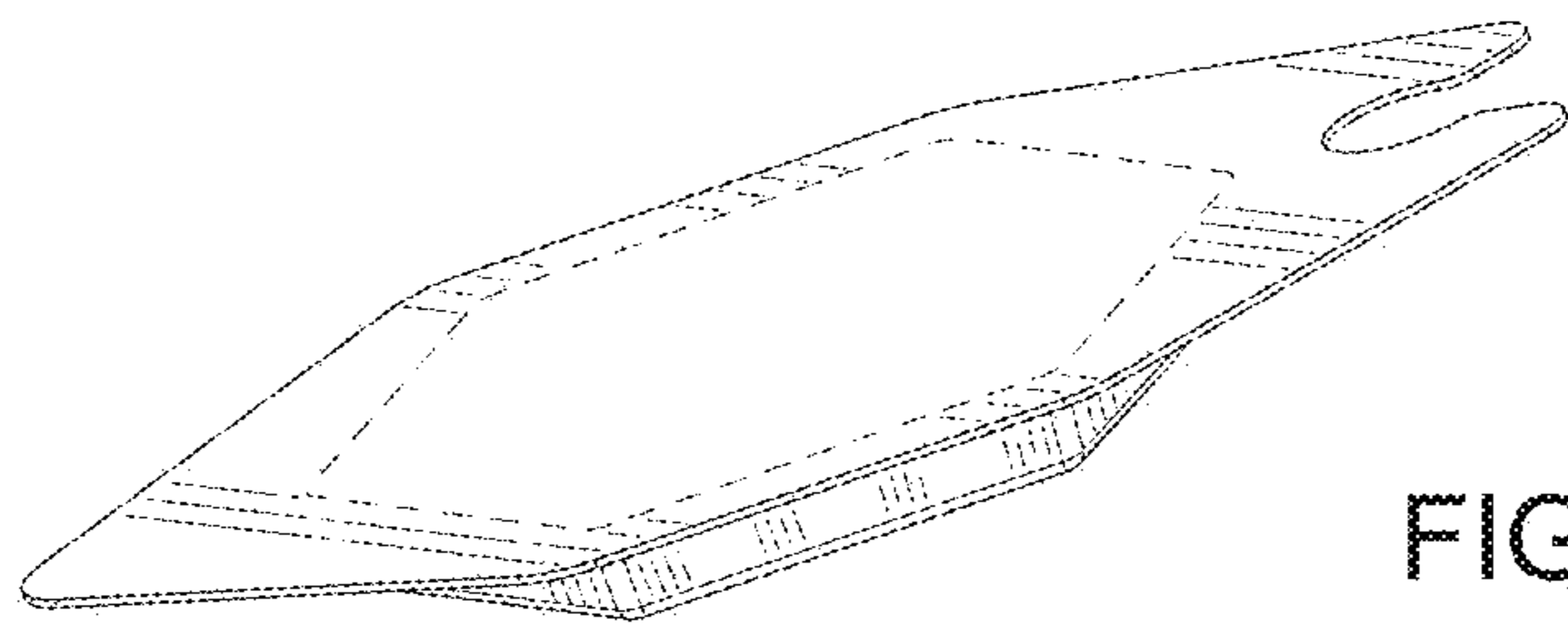


FIG. 2

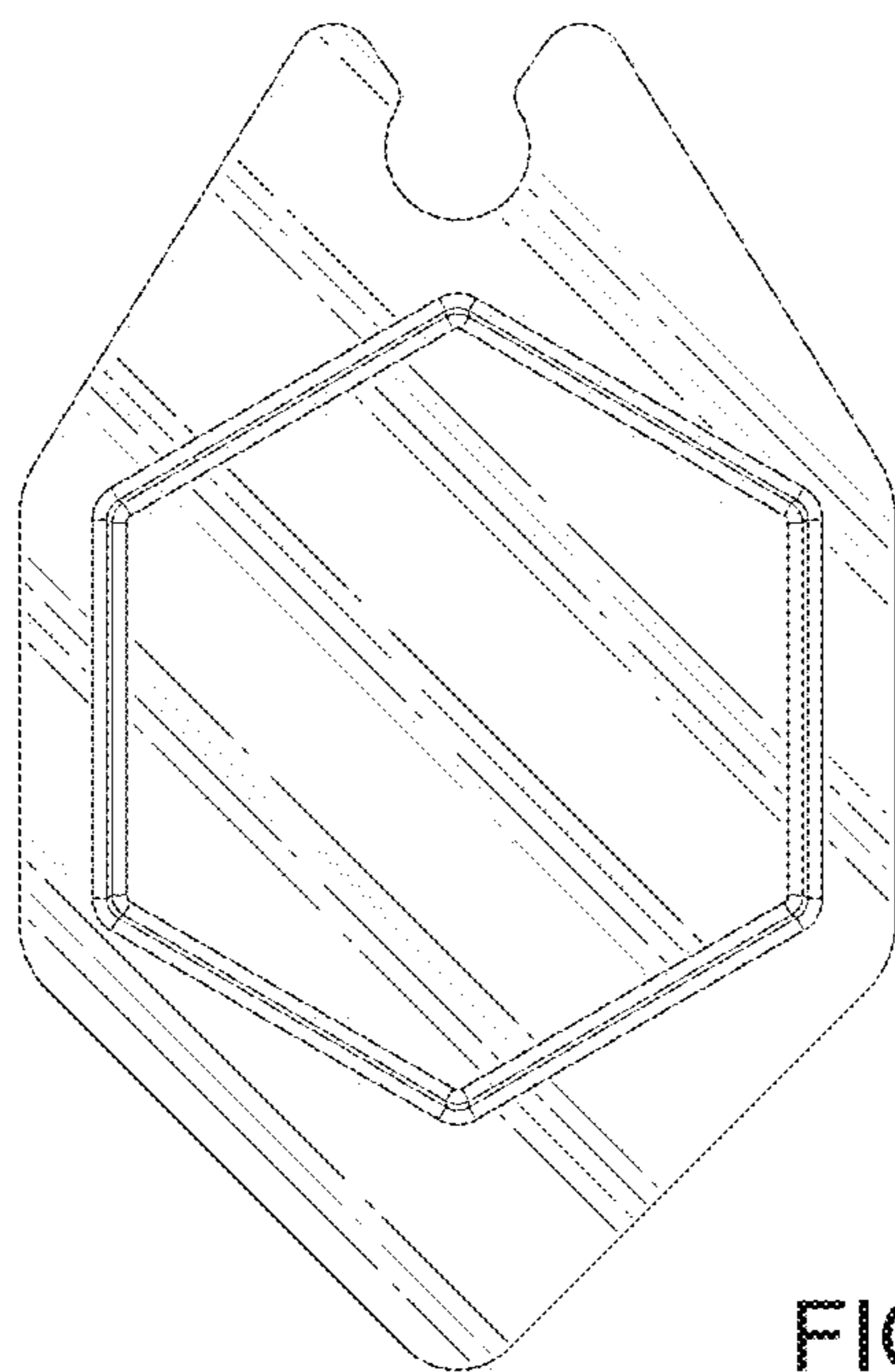


FIG. 3

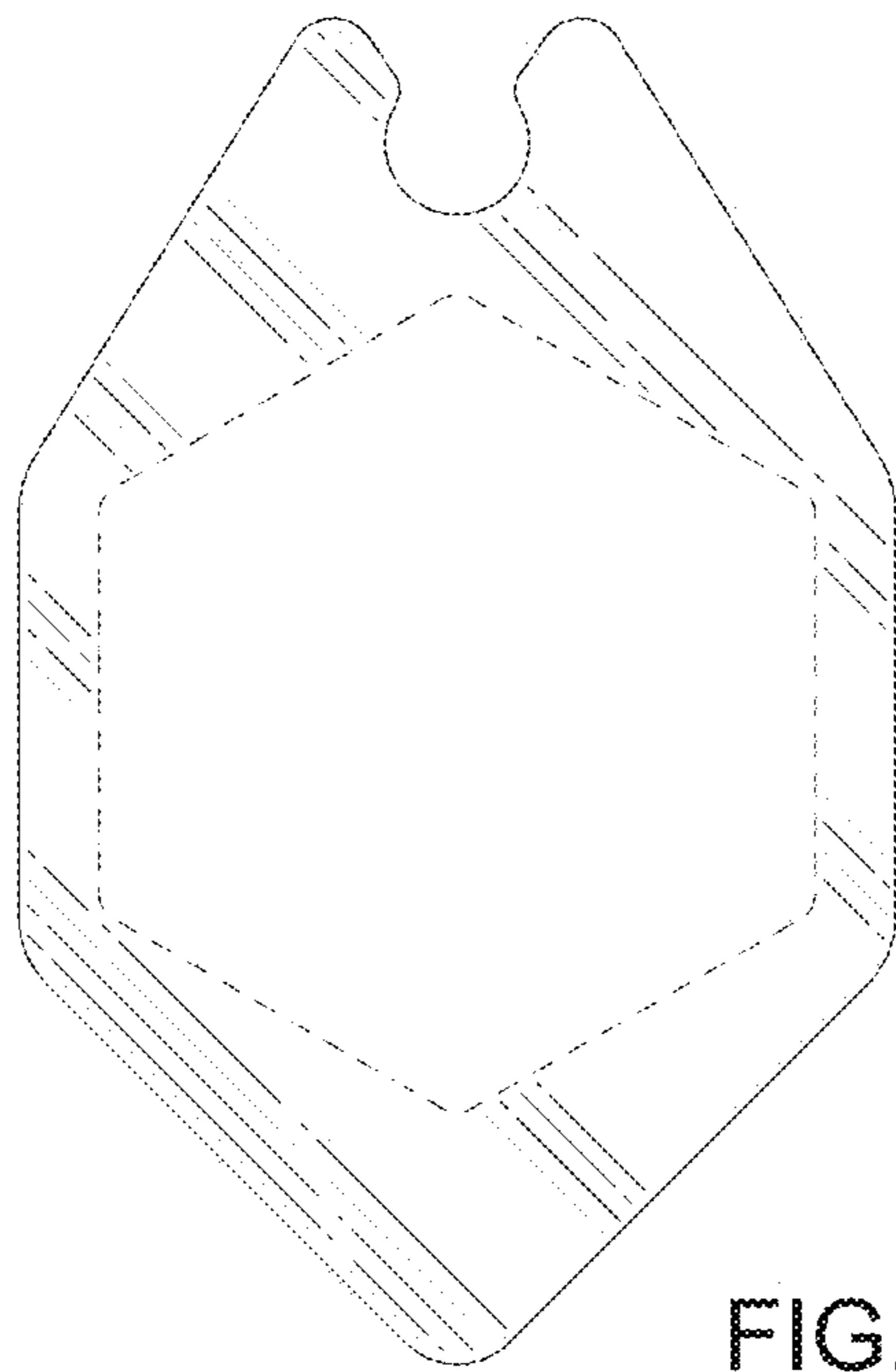


FIG. 4

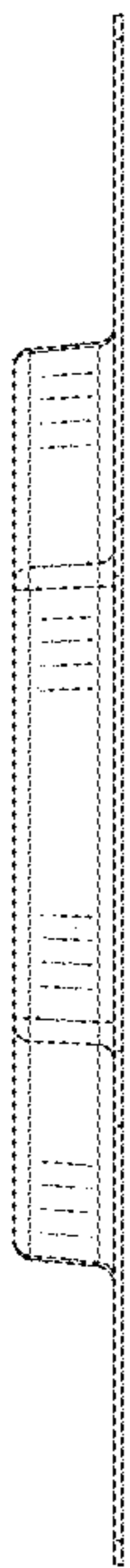


FIG. 5

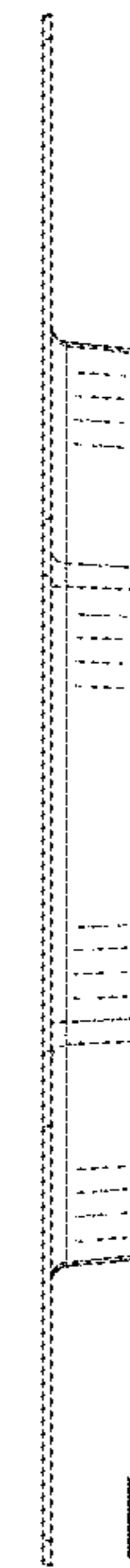


FIG. 6

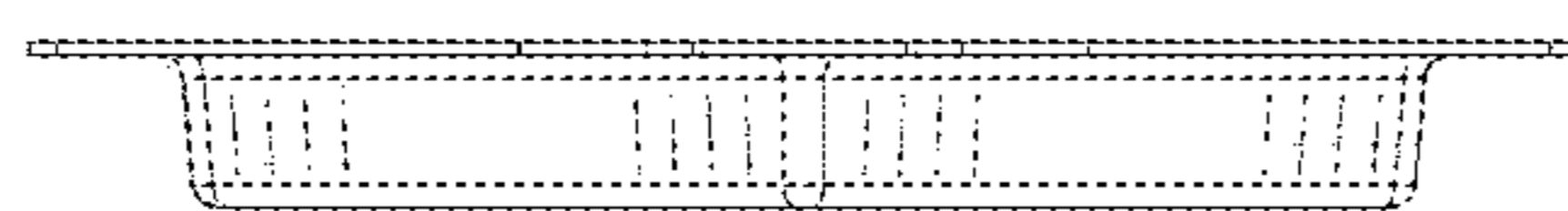


FIG. 7

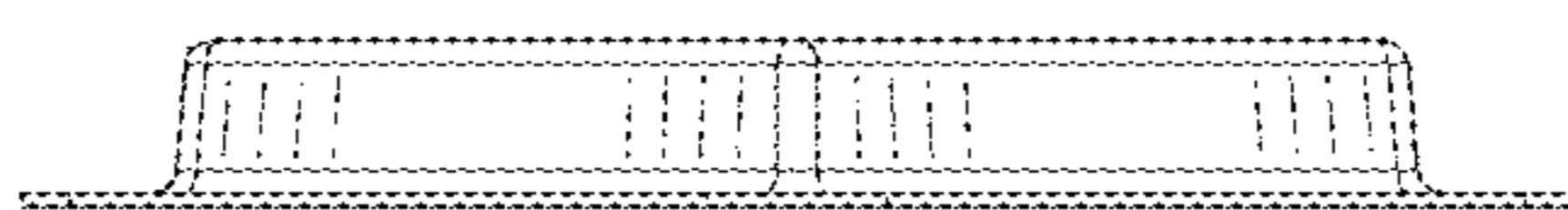


FIG. 8