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(12) **United States Design Patent** (10) **Patent No.:** **US D850,601 S**
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(54) **GRILL ELEMENT**
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1,886,841 A 11/1932 Searles
1,895,642 A 1/1933 Livingston
1,941,450 A 1/1934 Sylvan
2,019,867 A 11/1935 Nelson
2,021,086 A 11/1935 Oskamp
D107,399 S 12/1937 Broadwin
(Continued)

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FOREIGN PATENT DOCUMENTS

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BE 648597 9/1994
CA 108550 1/2006
(Continued)

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OTHER PUBLICATIONS

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“The Newest in Ventilation: Cattura Downdraft”, posted on May 6, 2016, blog published by Mountain High Appliance, pp. 1-3, <https://www.mountainhighappliance.com/en/blog/527-The-Newest-In-Ventilation-Cattura-Downdraft> (Year: 2016).*

Related U.S. Application Data

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(58) **Field of Classification Search**

USPC D23/370–372, 355, 261, 267, 381, 388, D23/397, 400, 402, 411, 412; D7/407; D5/1–3, 54, 60, 58, 47, 53; D14/221
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See application file for complete search history.

(57) **CLAIM**

The ornamental design for a grill element, as shown and described.

(56) **References Cited**

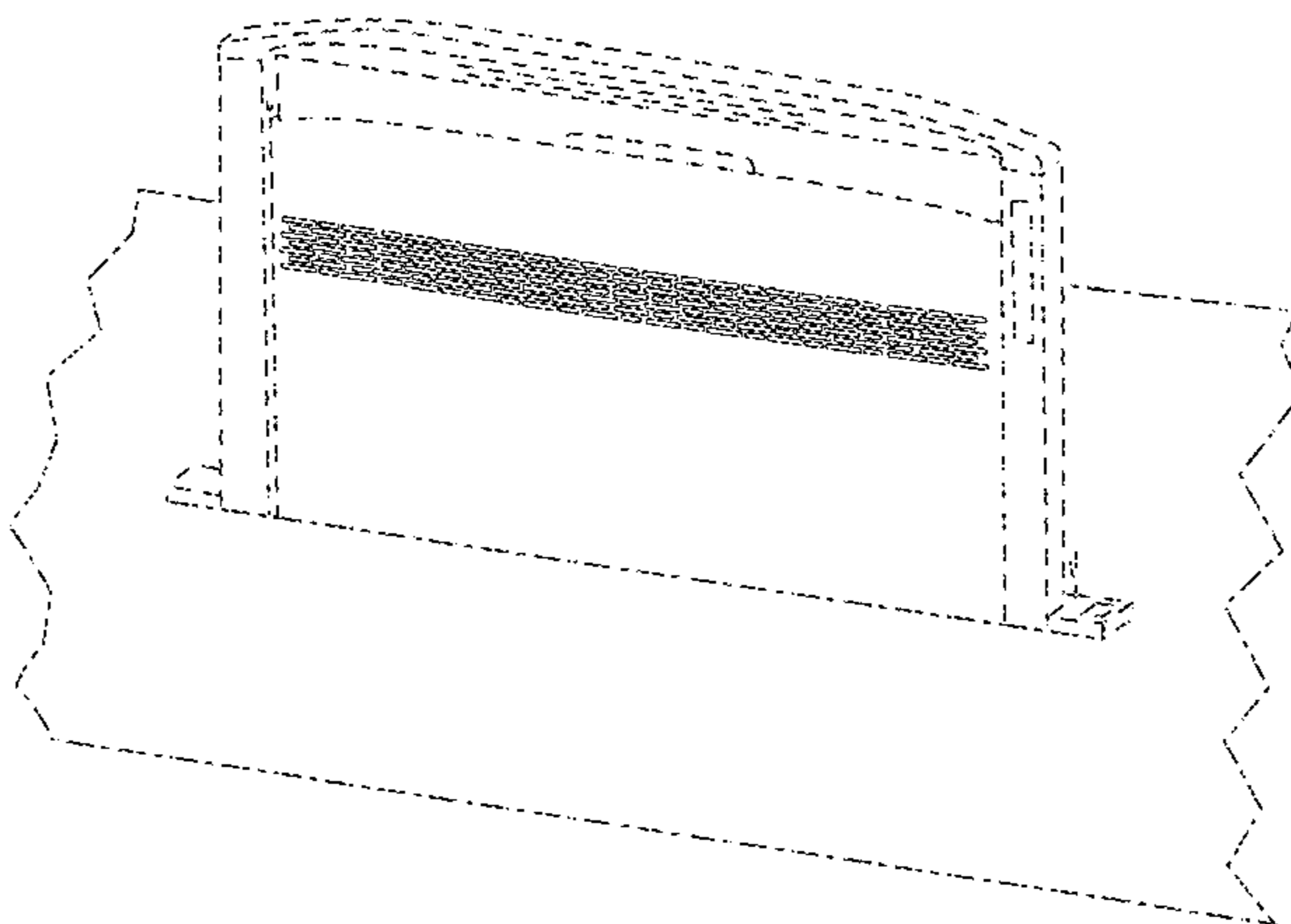
DESCRIPTION

U.S. PATENT DOCUMENTS

D25,525 S * 5/1896 Schratwieser D5/1
1,030,028 A 6/1912 Stampaher et al.
D56,410 S * 10/1920 Bakstad D23/385
D56,411 S * 10/1920 Bakstad D23/385
1,395,833 A 11/1921 Kling et al.
1,444,376 A * 2/1923 Guyse E04F 13/04
52/675
1,532,635 A 4/1925 Osbun
1,713,101 A 5/1929 Starrett

FIG. 1 is a front perspective view of a grill element. FIG. 2 is a front view thereof; and, FIG. 3 is a detail view taken from the portion of the grill element that is shown encircled in FIG. 2. The broken lines in FIG. 2 and FIG. 3 encircling a portion of the claimed grill element define the area of the detail view shown in FIG. 3 and form no part of the claimed design. All other broken lines in FIGS. 1 and 2 depict environmental subject matter only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



US D850,601 S

(56)

References Cited

U.S. PATENT DOCUMENTS

2,108,283 A	2/1938	Drew et al.	D215,584 S *	10/1969	Bogan, Jr.	D25/155
D109,887 S	5/1938	Fordyce	3,572,234 A	3/1971	Schoenthaler	
2,182,690 A	12/1939	Cole	3,577,710 A	5/1971	Feldman	
D118,359 S	1/1940	Arenberg	3,606,593 A	9/1971	Steiner	
D120,266 S	4/1940	Kurth et al.	3,630,007 A	12/1971	Neumann	
D120,772 S	5/1940	Arenberg	3,636,306 A	1/1972	Bumpus	
D120,773 S	5/1940	Arenberg	3,665,838 A	5/1972	Shepherd	
2,220,127 A	11/1940	Slayter	D224,703 S *	9/1972	Kiner	D25/142
2,222,081 A	11/1940	Leigh	3,692,977 A	9/1972	Duhamel et al.	
D126,128 S	3/1941	Hallman	3,698,833 A	10/1972	Cann et al.	
2,240,617 A	5/1941	Harrigan	3,732,030 A	5/1973	Mullings	
2,278,581 A	4/1942	Dexter	3,743,439 A	7/1973	Cann	
2,281,822 A *	5/1942	Bills	D229,181 S	11/1973	Bledsoe	
		E04C 2/427	3,777,650 A	12/1973	Wenig	
		52/180	3,785,271 A	1/1974	Joy	
D132,865 S	6/1942	Drollinger	3,788,207 A	1/1974	Doherty, II	
2,325,657 A	8/1943	Burkness	3,861,894 A	1/1975	Marsh	
D141,372 S *	5/1945	Huffs Schmidt	3,875,678 A	4/1975	Vits	
D153,313 S	4/1949	Phillips	3,926,537 A	12/1975	Piper	
2,472,748 A	6/1949	Labus	3,952,638 A	4/1976	Felter et al.	
2,483,377 A	9/1949	Young	D244,764 S	6/1977	Grubauer	
D157,014 S	1/1950	Walker	D244,854 S	6/1977	Salamone	
2,576,860 A	11/1951	Shapiro	D246,388 S *	11/1977	Shivvers	D25/142
D165,982 S	2/1952	Kennedy	4,073,597 A	2/1978	Barnhart et al.	
D166,324 S	4/1952	Kurth	4,115,082 A	9/1978	Newell et al.	
D171,505 S	2/1954	Kruger	4,141,703 A	2/1979	Mulchi	
2,668,491 A	2/1954	Gerlitz	4,203,332 A	5/1980	Corsetti	
2,673,514 A	3/1954	Hanks	D256,047 S	7/1980	Wormington	
D173,120 S	9/1954	Levenhagen	D257,060 S	9/1980	Mann	
2,689,906 A	9/1954	Corbett	D258,083 S	1/1981	Gammell	
2,697,163 A	12/1954	Spear	4,252,547 A	2/1981	Johnson	
2,710,573 A	6/1955	Marker	D261,803 S	11/1981	Bohanon, Jr.	
2,780,981 A	2/1957	Miller	D262,457 S	12/1981	Swales	
2,790,375 A	4/1957	Broberg	4,319,898 A	3/1982	Maierhofer	
2,799,213 A	7/1957	Hansen	4,335,647 A	6/1982	Timmons	
2,800,069 A	7/1957	Smith	4,336,749 A	6/1982	Barnhart et al.	
D180,727 S	8/1957	Bourner	D266,610 S *	10/1982	Bartscher	D25/155
2,811,094 A	10/1957	Auer	D267,828 S	2/1983	Cohen	
2,824,429 A	2/1958	Zucker	D268,952 S	5/1983	Anderson	
2,831,550 A	4/1958	Bub	4,382,440 A	5/1983	Kapp et al.	
D183,117 S	7/1958	Coleman et al.	4,385,550 A	5/1983	Steiner et al.	
D184,248 S *	1/1959	Amberson	4,385,911 A	5/1983	Popeil et al.	
		D5/53	4,406,216 A	9/1983	Hott et al.	
2,875,678 A	3/1959	Shepherd	D271,984 S	12/1983	Nelson et al.	
2,911,900 A	11/1959	Emil	D275,988 S	10/1984	Walker	
2,939,377 A	6/1960	Stach	D276,282 S	11/1984	Burg	
2,963,956 A	12/1960	Hill	D277,298 S	1/1985	Nelson	
2,987,258 A	6/1961	North	D277,299 S	1/1985	Nelson	
2,996,972 A	8/1961	Ake	4,510,851 A	4/1985	Samosky et al.	
3,001,056 A	9/1961	Spear	D282,275 S	1/1986	Price	
3,002,676 A	10/1961	Papsdorf	D282,972 S	3/1986	Castor et al.	
D192,312 S	2/1962	Hart	4,594,940 A	6/1986	Wolbrink et al.	
3,028,475 A	4/1962	Nash	4,610,705 A	9/1986	Samosky et al.	
3,045,579 A	7/1962	Jenn et al.	4,612,230 A *	9/1986	Liland	A61B 17/085
D193,868 S	10/1962	Bloomfield et al.			428/167	
3,064,548 A	11/1962	Field	D286,446 S	10/1986	Caroli et al.	
3,068,341 A	12/1962	Ortiz et al.	4,628,802 A	12/1986	Steiner et al.	
3,075,335 A	1/1963	Bandlow et al.	D287,888 S	1/1987	Caroli et al.	
3,097,287 A	7/1963	Knoll et al.	D288,007 S	1/1987	Jonas et al.	
3,101,662 A	8/1963	Alldritt	D288,396 S	2/1987	Ritman	
D196,618 S	10/1963	Hammes	4,681,024 A	7/1987	Ivey	
D199,045 S	9/1964	Everts	4,722,266 A	2/1988	Deckert	
D200,048 S *	1/1965	Van Dyck	D295,675 S	5/1988	Demarest	
		D25/142	4,754,697 A	7/1988	Asselbergs	
3,211,080 A	10/1965	Rader	4,776,798 A	10/1988	Crawford	
3,212,425 A	10/1965	Hazen et al.	D300,777 S	4/1989	Bales et al.	
3,215,828 A	11/1965	Bonvallet et al.	D300,847 S	4/1989	Lin	
D204,223 S *	3/1966	Emerick	4,862,334 A	8/1989	Ivey et al.	
		D25/155	D303,436 S	9/1989	Clyde-Mason	
D204,582 S *	4/1966	Emerick	4,867,640 A	9/1989	Penlesky et al.	
		D5/1	4,934,337 A *	6/1990	Falk	F24C 15/2042
3,249,037 A	5/1966	Stalker			126/299 R	
3,250,063 A	5/1966	Andrews				
3,276,597 A	10/1966	Mesek et al.	4,991,496 A	2/1991	Kuno et al.	
3,326,112 A	6/1967	Sadlow et al.	D315,790 S	3/1991	Koessler	
3,332,334 A	7/1967	Melzer	D322,667 S	12/1991	Fukuda et al.	
3,347,025 A	10/1967	Wiley	D323,209 S	1/1992	Fukumoto et al.	
3,391,689 A	7/1968	Roger	D323,554 S	1/1992	Hoyt	
3,438,180 A	4/1969	Klouda	D325,434 S	4/1992	Dosmann	
3,460,322 A	8/1969	Rivers et al.	D325,651 S	4/1992	Sonneman	

(56)

References Cited

U.S. PATENT DOCUMENTS

D327,538 S *	6/1992	Falk	..... D23/365	D434,126 S	11/2000	Caronna et al.	
D328,650 S	8/1992	Jones		D435,124 S	12/2000	Yuen	
D330,585 S	10/1992	Saito et al.		D435,705 S	12/2000	Powers et al.	
D331,458 S	12/1992	Saito et al.		D436,926 S	1/2001	Lew	
D331,638 S	12/1992	Vamberszky et al.		D437,077 S	1/2001	Minissi et al.	
D334,053 S	3/1993	Cook		D437,405 S	2/2001	Schrank	
5,197,920 A	3/1993	Ganse		D438,328 S	2/2001	Pan	
D334,977 S	4/1993	Avani		D438,948 S	3/2001	Schrank	
D335,533 S	5/1993	Chen		6,227,962 B1	5/2001	Orendorff	
D336,895 S	6/1993	Rogov		D443,924 S	6/2001	Renella	
D338,954 S	8/1993	Brock		6,261,175 B1	7/2001	Larson et al.	
D340,109 S	10/1993	Julien		D446,850 S	8/2001	Arlotta et al.	
D341,442 S	11/1993	Shapiro		D448,462 S	9/2001	Nanjo	
5,319,942 A	6/1994	Paustian		D449,680 S	10/2001	Arlotta et al.	
D349,778 S	8/1994	Johnson et al.		D451,187 S	11/2001	Webb	
D350,191 S	8/1994	Tsuji		D452,904 S	1/2002	Peng	
5,333,830 A	8/1994	Millen		D452,905 S	1/2002	Peng	
D350,409 S	9/1994	Johnson et al.		D452,906 S	1/2002	Peng	
D352,564 S	11/1994	Marischen		D453,375 S	2/2002	Peng	
D357,732 S	4/1995	Spechts		D453,564 S	2/2002	Schrank	
D361,375 S	8/1995	Gallagher et al.		D454,391 S	3/2002	Schrank	
D362,059 S	9/1995	Wojcik		D457,232 S	5/2002	Miura	
D366,521 S	1/1996	Wijaranakula		D457,616 S	5/2002	Yamanaka et al.	
D366,522 S	1/1996	Lagace et al.		D461,235 S	8/2002	Arlotta et al.	
D367,924 S	3/1996	Patel		D461,995 S	8/2002	Massaloux et al.	
D372,767 S	8/1996	Borges		D464,418 S	10/2002	Goncalves et al.	
D372,775 S	8/1996	Schuler		D464,718 S	10/2002	Wilson	
D374,927 S	10/1996	Chabot		6,464,579 B1	10/2002	Salazar	
D375,350 S	11/1996	Patel et al.		D465,565 S	11/2002	Twito	
D376,214 S	12/1996	Pinchuk		D467,768 S *	12/2002	Becker	..... D7/407
D376,639 S	12/1996	Moore		6,488,579 B2	12/2002	Larson et al.	
D376,842 S	12/1996	Franklin et al.		D469,172 S	1/2003	Warren et al.	
D377,535 S	1/1997	Shulman		6,503,060 B1	1/2003	Kamada	
5,601,485 A	2/1997	Gigola		D470,233 S	2/2003	Sarkinen et al.	
D378,698 S	4/1997	Ukai et al.		D470,482 S	2/2003	Ikeda	
5,632,334 A	5/1997	Grinbergs et al.		6,537,146 B1	3/2003	Haynes	
D382,549 S	8/1997	Yoshimoto		D474,299 S	5/2003	Lecluze	
D386,186 S	11/1997	Schnetzer et al.		D475,131 S	5/2003	Pilger	
D386,209 S	11/1997	Firestone et al.		D476,073 S	6/2003	Bourgeois	
D387,859 S	12/1997	Ukai et al.		D480,712 S	10/2003	Noro	
D388,353 S	12/1997	Desborough et al.		D480,791 S	10/2003	Phillips	
D393,708 S	4/1998	Assadi		D481,822 S	11/2003	Wang	
D395,494 S	6/1998	Becker		D482,350 S	11/2003	Noro et al.	
D396,275 S	7/1998	Pearson		D482,778 S	11/2003	Shapiro	
D398,417 S	9/1998	Fritzsche		6,651,454 B1	11/2003	Spiegel	
5,820,247 A	10/1998	Schuler		6,653,566 B2	11/2003	Petak et al.	
D401,682 S	11/1998	Galeazzi et al.		6,698,419 B2 *	3/2004	Lee	..... F24C 15/2042 126/299 D
D403,442 S	12/1998	Joss		6,723,428 B1	4/2004	Foss et al.	
D403,787 S	1/1999	Van Belle		D490,147 S	5/2004	Miura	
D404,508 S	1/1999	Marischen		D490,509 S	5/2004	Negrão et al.	
D405,207 S	2/1999	Mora		6,750,760 B2	6/2004	Albritton et al.	
D407,473 S	3/1999	Winbock		D493,447 S	7/2004	Noro et al.	
D407,521 S	3/1999	Crosby		D493,516 S	7/2004	Harbutt et al.	
5,879,232 A	3/1999	Luter, II et al.		D493,907 S	8/2004	Benensohn	
D409,449 S	5/1999	Cornelissen		D496,487 S	9/2004	Rhee	
5,918,972 A	7/1999	Van Belle		D496,992 S	10/2004	Lafond	
D412,566 S	8/1999	Taras et al.		D499,505 S	12/2004	Benensohn	
D414,253 S	9/1999	Kobayashi et al.		D503,689 S	4/2005	Saucier	
5,971,847 A	10/1999	Webb		6,889,948 B2	5/2005	Melancon et al.	
D416,158 S *	11/1999	Denney	..... D6/582	D510,151 S	9/2005	Rashidi	
D416,315 S	11/1999	Nanjo		D510,432 S	10/2005	Bargiel	
D416,349 S	11/1999	Pahl		D510,996 S	10/2005	Vladika	
D417,307 S	11/1999	Pahl		D511,379 S	11/2005	Penlesky et al.	
D418,909 S	1/2000	Mockett		D512,503 S	12/2005	Roland	
D420,121 S	2/2000	Felix-Flender		D513,072 S	12/2005	Berg	
6,027,406 A	2/2000	Yazici		6,979,169 B2	12/2005	Penlesky et al.	
D424,672 S	5/2000	Nanjo		D514,221 S	1/2006	Vladika	
D425,974 S	5/2000	Esty et al.		D514,732 S	2/2006	Benensohn	
D426,292 S	6/2000	Nanjo		D521,145 S	5/2006	Craw et al.	
D426,657 S	6/2000	Joss		D530,808 S	10/2006	Sinur et al.	
D427,009 S	6/2000	Iyengar et al.		D531,301 S	10/2006	Sinur et al.	
D427,303 S	6/2000	Brown		D532,095 S	11/2006	Calkins	
D428,645 S	7/2000	Rossman et al.		D532,247 S	11/2006	Copeland	
D431,075 S	9/2000	Barracrough		D533,956 S	12/2006	Vladika	
D433,116 S	10/2000	Han et al.		D534,301 S	12/2006	Roland	
				D535,431 S	1/2007	Roland	
				D535,433 S	1/2007	Craw et al.	
				D535,434 S	1/2007	Fischer et al.	

(56)

References Cited

U.S. PATENT DOCUMENTS

D536,778 S	2/2007	O'Hagin	
D537,511 S	2/2007	Nagahori	
D538,422 S	3/2007	Hooijmaaijers	
D539,404 S	3/2007	Nagahori	
D539,887 S	4/2007	Kato et al.	
D539,888 S	4/2007	Tsuji	
D541,405 S	4/2007	Snyder	
7,203,416 B2	4/2007	Craw et al.	
D541,689 S	5/2007	Meyers et al.	
D541,927 S	5/2007	Yamanaka et al.	
D543,270 S	5/2007	Miura et al.	
D544,618 S	6/2007	Coushaine	
D545,487 S	6/2007	Bynum	
D547,853 S	7/2007	Pilon et al.	
D550,043 S	7/2007	Brattoli	
D550,344 S	9/2007	Weggelaar	
D550,660 S	9/2007	Noro et al.	
D551,750 S	9/2007	Wefler	
D553,235 S	10/2007	Herbst et al.	
D553,727 S	10/2007	Kato et al.	
D553,905 S	10/2007	Orr, Jr.	
D554,820 S *	11/2007	Dretzka	D32/57
D555,777 S	11/2007	Aveldson	
D561,321 S *	2/2008	Hong	D23/370
D561,322 S *	2/2008	Hong	D23/370
D561,887 S	2/2008	Friedman et al.	
7,328,478 B2	2/2008	Jenkins	
D563,539 S	3/2008	Sinur et al.	
D565,716 S	4/2008	Jacak	
D565,717 S	4/2008	Jacak et al.	
D565,722 S	4/2008	Hollingsworth et al.	
D566,257 S	4/2008	Deng	
D566,262 S	4/2008	Zakula et al.	
D566,912 S	4/2008	Reick-Mitrisin et al.	
D567,352 S	4/2008	Hollingsworth et al.	
D567,353 S	4/2008	Hollingsworth et al.	
D567,354 S	4/2008	Jacak et al.	
D567,355 S	4/2008	Zakula et al.	
D567,434 S	4/2008	Itiravivong	
D567,435 S	4/2008	Kim et al.	
D567,692 S	4/2008	Meyers et al.	
D567,931 S	4/2008	Hollingsworth et al.	
D567,932 S	4/2008	Hollingsworth et al.	
D567,933 S	4/2008	Hollingsworth et al.	
D568,460 S	5/2008	Jacak et al.	
D569,492 S	5/2008	Zakula et al.	
D570,465 S	6/2008	Miyake et al.	
D571,453 S	6/2008	Hsu et al.	
D574,478 S	8/2008	Miyake et al.	
D575,386 S	8/2008	Jacak et al.	
D575,387 S	8/2008	Zakula et al.	
D575,389 S	8/2008	Lazzara	
D577,431 S	9/2008	Miyake et al.	
D577,805 S	9/2008	Adrian et al.	
D577,806 S *	9/2008	Grey	D23/372
D578,811 S	10/2008	Gervasi	
D581,508 S	11/2008	Miyake et al.	
D581,516 S	11/2008	Koury et al.	
D581,517 S	11/2008	Koury et al.	
D582,527 S *	12/2008	Wang	D23/261
D584,393 S	1/2009	Miyake et al.	
D584,394 S	1/2009	Miyake et al.	
D585,129 S	1/2009	Huang	
D587,797 S	3/2009	Blanchard	
D588,257 S	3/2009	Reedy	
D588,688 S	3/2009	Lablaine	
D589,605 S	3/2009	Reedy et al.	
D590,486 S *	4/2009	Park	D23/314
7,537,647 B2	5/2009	Adair et al.	
D595,402 S	6/2009	Miyake et al.	
D595,830 S	7/2009	Deng	
D601,281 S	9/2009	Howard et al.	
7,581,717 B1	9/2009	Thurkill	
D602,145 S *	10/2009	Grey	D23/372
D602,146 S	10/2009	Olesen	
D602,193 S	10/2009	Soderman et al.	
D602,578 S *	10/2009	Grey	D23/372
7,596,960 B2	10/2009	Bae	
D604,834 S	11/2009	Ungar	
D606,696 S	12/2009	Chen et al.	
D607,600 S	1/2010	Keith	
D609,321 S	2/2010	Tomasulo	
D609,803 S	2/2010	Ungar	
D609,840 S	2/2010	Tang	
D617,441 S	6/2010	Koury et al.	
D617,889 S	6/2010	Miyake	
D618,782 S	6/2010	Zakula et al.	
D618,783 S *	6/2010	Kimura	D23/388
D619,699 S *	7/2010	Kimura	D23/388
D621,491 S	8/2010	Tsuji	
D622,033 S	8/2010	Lambetz	
D622,372 S *	8/2010	Grey	D23/372
D622,373 S *	8/2010	Grey	D23/372
7,836,877 B2	11/2010	Gagas et al.	
D628,737 S	12/2010	Van Den Akker	
D629,561 S	12/2010	Kim et al.	
D629,882 S	12/2010	Nguyen	
D629,883 S *	12/2010	Kimura	D23/388
7,850,513 B1	12/2010	Parker et al.	
D631,144 S	1/2011	Tsuji	
D631,188 S	1/2011	Lovegrove	
D632,380 S	2/2011	Kim et al.	
D635,238 S	3/2011	Zakula et al.	
D636,482 S	4/2011	LeMay	
D636,611 S	4/2011	Duma	
D638,925 S	5/2011	Charlebois et al.	
D642,667 S	8/2011	Irwin	
D646,417 S	8/2011	Wauters	
D647,309 S *	10/2011	Kuehn	D5/58
D648,135 S	11/2011	Lee	
D648,471 S	11/2011	Wauters	
D653,323 S	1/2012	Jacak	
D654,998 S	2/2012	Zakula et al.	
D655,403 S	3/2012	Zakula et al.	
D655,804 S	3/2012	Platt	
D655,850 S	3/2012	Sabernig	
D655,855 S	3/2012	Sabernig	
D656,264 S	3/2012	Janssen	
D657,036 S	4/2012	Vetu et al.	
D657,858 S	4/2012	Platt	
D658,603 S	5/2012	Egawa et al.	
D658,604 S	5/2012	Egawa et al.	
D662,648 S	6/2012	Whiting et al.	
D663,880 S	7/2012	Janssen	
D663,881 S	7/2012	Janssen	
D664,369 S	7/2012	Duma	
D665,225 S	8/2012	Zakula et al.	
8,256,241 B2	9/2012	Ikeda et al.	
8,312,873 B2	11/2012	Gagas et al.	
D672,079 S	12/2012	Kong	
D678,010 S	3/2013	Sudmalis	
D678,497 S	3/2013	Tom	
D678,995 S	3/2013	Hoshino et al.	
D679,046 S	3/2013	Hoshino et al.	
D681,794 S	5/2013	Lin et al.	
D682,455 S	5/2013	Apetauer et al.	
D685,947 S	7/2013	Pyle	
D690,869 S	10/2013	Katz et al.	
D694,386 S *	11/2013	Sinur	D23/372
D694,387 S	11/2013	Sinur et al.	
D694,388 S	11/2013	Sinur et al.	
D694,389 S	11/2013	Sinur et al.	
D694,390 S	11/2013	Sinur et al.	
D694,391 S	11/2013	Sinur et al.	
D694,392 S	11/2013	Sinur et al.	
D694,863 S *	12/2013	Brodey	D23/261
D701,952 S	4/2014	Hoshino et al.	
D702,827 S	4/2014	Mase et al.	
D704,318 S	5/2014	Martel	
D705,409 S	5/2014	Hagiwara	
D705,417 S	5/2014	Lin et al.	
D706,404 S	6/2014	Tsuji	
D706,916 S	6/2014	Penlesky et al.	
D709,170 S	7/2014	Tsuji	

(56)

References Cited

U.S. PATENT DOCUMENTS

D710,000 S 7/2014 Moreno
 D711,854 S * 8/2014 Sulzer D14/221
 D711,929 S * 8/2014 Werner D15/31
 D713,952 S 9/2014 Jepson
 8,844,608 B2 * 9/2014 Kimura F24F 1/01
 165/10
 D714,927 S * 10/2014 Urano D23/388
 8,864,447 B1 10/2014 Humphrey
 D716,772 S 11/2014 Cavero et al.
 D717,595 S * 11/2014 Knoll D7/402
 D717,933 S 11/2014 McClelland et al.
 D718,086 S 11/2014 Lewis et al.
 D718,434 S 11/2014 Diamond
 D718,762 S 12/2014 Aarrestad et al.
 D720,442 S 12/2014 Kosuge
 D725,624 S 3/2015 Carney et al.
 D728,245 S * 5/2015 Haverfield D5/60
 D728,772 S 5/2015 Santeler et al.
 D730,510 S 5/2015 Schanzenbach
 9,022,846 B1 5/2015 Tom
 9,028,212 B1 5/2015 Tom
 D732,156 S 6/2015 Penlesky et al.
 D733,861 S 7/2015 Haaf et al.
 D733,862 S * 7/2015 Klunker D23/372
 D733,863 S 7/2015 Funnell, II et al.
 D736,903 S * 8/2015 Puffer D23/372
 9,103,104 B1 8/2015 Tom
 D738,482 S 9/2015 Lin et al.
 D738,538 S 9/2015 Lillejord
 D739,049 S * 9/2015 Kurihara D25/138
 D739,928 S 9/2015 Raisanen
 D739,977 S 9/2015 Boyer et al.
 9,131,814 B2 9/2015 Nakamura
 D741,377 S * 10/2015 Werner D15/31
 D741,463 S 10/2015 Hauville et al.
 D741,648 S 10/2015 Wahl
 D742,494 S 11/2015 Kouketsu et al.
 D743,520 S 11/2015 Sinur et al.
 9,182,138 B2 11/2015 Foreman et al.
 9,188,132 B1 11/2015 Tom
 D744,628 S 12/2015 Alexander
 D745,652 S 12/2015 Berkman et al.
 D746,424 S 12/2015 Takahashi et al.
 D746,427 S 12/2015 Mecker
 9,212,668 B2 12/2015 Deng et al.
 D747,141 S 1/2016 Wahl
 D747,576 S 1/2016 Fjellman
 D751,189 S 3/2016 Suzuki et al.
 D751,247 S 3/2016 Reynolds
 D752,201 S 3/2016 Herbst
 D753,869 S 4/2016 Prijic
 D754,319 S 4/2016 Park et al.
 9,303,859 B2 4/2016 Horng et al.
 9,303,888 B2 4/2016 Karst et al.
 D755,942 S 5/2016 Kim
 D759,800 S 6/2016 Adrian et al.
 D771,231 S 11/2016 Chen et al.
 D778,424 S 2/2017 Jonas et al.
 D778,425 S 2/2017 Jonas et al.
 D779,050 S 2/2017 Jonas et al.
 D784,511 S 4/2017 Jonas et al.
 D784,512 S 4/2017 Jonas et al.
 9,777,930 B2 * 10/2017 Langenbach F24C 15/2042
 D804,009 S * 11/2017 Mok D23/372
 2003/0220069 A1 11/2003 Orendorif
 2005/0095979 A1 5/2005 Moreno
 2005/0111840 A1 5/2005 Craw et al.
 2006/0278215 A1 12/2006 Gagas et al.
 2007/0167128 A1 7/2007 Popowitz
 2008/0029081 A1 * 2/2008 Gagas F24C 15/2035
 126/299 D
 2009/0130970 A1 5/2009 Jacak et al.
 2009/0137201 A1 * 5/2009 Huber F24C 15/2042
 454/284
 2009/0170421 A1 7/2009 Adrian et al.

2009/0280737 A1 11/2009 Jacak et al.
 2012/0087132 A1 4/2012 Zakula et al.
 2013/0088855 A1 4/2013 Ye et al.
 2013/0319400 A1 * 12/2013 Langenbach F24C 15/2042
 126/299 D
 2014/0041649 A1 * 2/2014 Sinur F24C 15/2042
 126/299 D
 2014/0063796 A1 3/2014 Zakula et al.
 2014/0290641 A1 * 10/2014 Worrell F24C 15/2042
 126/299 D
 2015/0117034 A1 4/2015 Horng et al.
 2015/0125292 A1 5/2015 Karst et al.
 2015/0140923 A1 5/2015 Penlesky
 2015/0198337 A1 * 7/2015 Punzel F24C 15/2042
 126/299 D
 2015/0219118 A1 8/2015 Zakula et al.
 2015/0330641 A1 * 11/2015 Lillesand F24C 15/2085
 126/299 D
 2016/0029109 A1 1/2016 Liu et al.
 2016/0069561 A1 3/2016 Jonas et al.

FOREIGN PATENT DOCUMENTS

CA	108557	1/2006
CA	2636643	12/2012
CA	147804 S	9/2013
CA	163015	5/2016
CA	163016	5/2016
CA	163017	5/2016
CA	163018	5/2016
CN	303580220	2/2016
CN	303580221	2/2016
CN	303580222	2/2016
CN	303580223	2/2016
CN	303580224	2/2016
EP	1248048	10/2002
FR	1234767	10/1960

OTHER PUBLICATIONS

U.S. Appl. No. 29/489,619, filed May 1, 2014, Down Draft Grill, now Design U.S. Pat. No. D736,903.
 "Canadian Application Serial No. 163,015, Response filed Mar. 10, 2016 to Office Action dated Nov. 10, 2015", 7 pgs.
 "U.S. Appl. No. 29/521,663, Corrected Notice of Allowance dated Mar. 30, 2016", 4 pgs.
 "U.S. Appl. No. 29/514,061, Non Final Office Action dated May 19, 2016", 19 pgs.
 "U.S. Appl. No. 29/514,063, Non Final Office Action dated May 19, 2016", 22 pgs.
 "U.S. Appl. No. 29/514,067, Non Final Office Action dated May 20, 2016", 21 pgs.
 "U.S. Appl. No. 29/514,073, Non Final Office Action dated May 20, 2016", 21 pgs.
 "U.S. Appl. No. 29/514,070, Non Final Office Action dated May 27, 2016", 26 pgs.
 "Chinese Application Serial No. 201630055109.5, Office Action dated Jun. 1, 2016", 1 pg.
 "Canadian Application Serial No. 165,307, Response filed Jun. 15, 2016 to Office Action dated Feb. 15, 2016", 9 pgs.
 "Canadian Application Serial No. 165,355, Response filed Jun. 15, 2016 to Office Action dated Feb. 15, 2016", 6 pgs.
 "Canadian Application Serial No. 165,366, Response filed Jun. 15, 2016 to Office Action dated Feb. 15, 2016", 18 pgs.
 "Canadian Application Serial No. 167,117, Office Action dated Jul. 14, 2016", 3 pgs.
 "U.S. Appl. No. 29/514,061, Response filed Aug. 17, 2016 to Non Final Office Action dated May 19, 2016", 6 pgs.
 "U.S. Appl. No. 29/514,063, Response filed Aug. 17, 2016 to Non Final Office Action dated May 19, 2016", 8 pgs.
 "U.S. Appl. No. 29/514,067, Response filed Aug. 22, 2016 to Non Final Office Action dated May 20, 2016", 6 pgs.
 "U.S. Appl. No. 29/514,073, Response filed Aug. 22, 2016 to Non Final Office Action dated May 20, 2016", 6 pgs.

(56)

References Cited

OTHER PUBLICATIONS

"U.S. Appl. No. 29/514,970, Response filed Aug. 29, 2016 to Non Final Office Action dated May 27, 2016", 6 pgs.

"U.S. Appl. No. 29/538,019, Restriction Requirement dated Sep. 1, 2016", 7 pgs.

"Chinese Application Serial No. 201630055109.5, Response filed Sep. 18, 2016 to Office Action dated Jun. 1, 2016", 5 pgs.

"U.S. Appl. No. 29/514,061, Final Office Action dated Sep. 19, 2016", 9 pgs.

"U.S. Appl. No. 29/514,073, Notice of Allowance dated Sep. 19, 2016", 8 pgs.

"U.S. Appl. No. 29/514,067, Notice of Allowance dated Sep. 20, 2016", 9 pgs.

"U.S. Appl. No. 29/514,070, Notice of Allowance dated Sep. 21, 2016", 6 pgs.

"Canadian Application Serial No. 165,355, Response filed Sep. 22, 2016 to Office Action dated Jun. 28, 2016", 2 pgs.

"U.S. Appl. No. 29/514,070, Corrected Notice of Allowance dated Oct. 5, 2016", 2 pgs.

"U.S. Appl. No. 29/514,073, Corrected Notice of Allowance dated Oct. 5, 2016", 2 pgs.

"U.S. Appl. No. 29/538,019, Examiner Interview Summary dated Oct. 11, 2016", 7 pgs.

"U.S. Appl. No. 29/514,063, Response filed Oct. 24, 2016 to Non-Final Office Action dated May 19, 2016", 8 pgs.

"Canadian Application Serial No. 169,274, Office Action dated Oct. 25, 2016", 2 pgs.

"Canadian Application Serial No. 169,275, Office Action dated Oct. 25, 2016", 2 pgs.

"U.S. Appl. No. 29/538,019, Response filed Nov. 1, 2016 to Restriction Requirement dated Sep. 1, 2016", 4 pgs.

"Canadian Application Serial No. 167, 117, Response filed Nov. 3, 2016 to Office Action dated Jul. 14, 2016", 10 pgs.

"U.S. Appl. No. 29/514,061, Response filed Nov. 21, 2016 Final Office Action dated Sep. 19, 2016", 16 pgs.

"U.S. Appl. No. 29/538,019, Notice of Allowance dated Nov. 23, 2016", 9 pgs.

"U.S. Appl. No. 29/539,396, Notice of Allowance dated Feb. 27, 2017", 9 pgs.

"U.S. Appl. No. 29/539,401, Notice of Allowance dated Feb. 27, 2017", 8 pgs.

"U.S. Appl. No. 29/539,391, Notice of Allowance dated Mar. 1, 2017", 8 pgs.

"U.S. Appl. No. 29/539,405, Notice of Allowance dated Mar. 1, 2017", 9 pgs.

"U.S. Appl. No. 29/539,409, Notice of Allowance dated Mar. 2, 2017", 8 pgs.

"U.S. Appl. No. 29/539,392, Notice of Allowance dated Mar. 3, 2017", 8 pgs.

"U.S. Appl. No. 29/539,415, Notice of Allowance dated Mar. 9, 2017", 8 pgs.

"U.S. Appl. No. 29/539,414, Notice of Allowance dated Mar. 13, 2017", 8 pgs.

"Broan QTX110SL Media Gallery, Broan QTX110SL Combination Fan, Light, Night-Light, 110 CFM, 0.9 Sones, Humidity Sensing, Ventingdirect.com, p. 1."

Nutone/Sterling Lighting Catalog NS103 .COPYRGT.1980, p. 57, Downlight #87, and p. 81, Recessed Square Light #XT-210.

Thomas Lighting Catalog .COPYRGT.1980, p. 145, Ceiling Lamp #R213, and p. 149, Fan-Light Unit #T342.

Thomas Industries Starlight Lighting Catalog. COPYRGT.1982, p. 61, Combined Fan-Light Heater T-305.

Emerson Environmental Products, Whole House Fan and Shutter System Owners Manual, Dec. 1982.

Photographs of Panasonic Ventilating Fan, Model FV-11.VHL1, available prior to Jan. 2, 2008, 3 pages.

Spartan Electric Company, Direct Drive Whole House Fans Publication, available prior to Jan. 2, 2008.

"Direct Drive Whole House Fans Publication", Spartan Electric Company, Fayetteville, N.C., (Feb. 4, 2008), 4 pgs.

"Whole House Fan and Shutter System Owners Manual", Emerson Environmental Products, Model No. WH20WS, Bennettsville, S. C., (Feb. 4, 2008), 12 pgs.

"Whirlpool 30" and 36" Range Hood Models UXT3030AY/ UXT3036AY", Installation Instructions and Use & Care Guide, [online] Retrieved from the Internet: <http://www.whirlpool.ca/digitalassets/UXT3030AYB/Use%20and%20Care_EN.pdf>, (2011), 28 pgs.

"Maytag 30 in. Non-Vented Range Hood in Stainless Steel", Model# UXT4030AYS, Home Depot, [online] [retrieved on Sep. 23, 2013]. Retrieved from the Internet: <http://www.homedepot.com/p/Maytag-30-in-Non-Vented-Range-Hood-in-Stainless-Steel-UXT4030AYS/202832999#customer_reviews>, (Jul. 9, 2011), 5 pgs."

"Finnleo Steam Sauna Ventilation Wood grill", [Online]. Retrieved from the Internet: <<https://www.tineye.com/search/8ff8db465e46f58bcad482160583c-b539dc23fa4/>>, (Jun. 6, 2012).

"U.S. Appl. No. 11/968,250, Non Final Office Action dated Sep. 20, 2012", 21 pgs.

"U.S. Appl. No. 11/968,250, Response filed Dec. 20, 2012 to Non Final Office Action dated Sep. 20, 2012", 26 pgs.

"U.S. Appl. No. 11/968,250, Final Office Action dated Mar. 26, 2013", 20 pgs.

"U.S. Appl. No. 11/968,250, Response filed May 24, 2013 to Final Office Action dated Mar. 26, 2013", 34 pgs.

"U.S. Appl. No. 11/968,250, Advisory Action dated Jun. 24, 2013", 3 pgs.

"U.S. Appl. No. 11/968,250, Non Final Office Action dated Aug. 22, 2013", 18 pgs.

"U.S. Appl. No. 29/458,592, Non Final Office Action dated Sep. 27, 2013", 7 pgs.

"U.S. Appl. No. 11/968,250, Response filed Nov. 8, 2013 to Non Final Office Action dated Aug. 22, 2013", 23 pgs.

Grille Images, image post date Nov. 23, 2013, site visited May 14, 2016, (online), <<https://www.tineye.com/search/ea95b48bdc1fce15b6d68e4fbc33c-0e4e7566460/>>.

"U.S. Appl. No. 29/458,592, Response filed Dec. 27, 2013 to Non Final Office Action dated Sep. 27, 2013, 8 pgs."

"U.S. Appl. No. 11/968,250, Final Office Action dated Jan. 22, 2014", 18 pgs.

"U.S. Appl. No. 29/458,592, Notice of Allowance dated Mar. 4, 2014", 6 pgs.

Napoleon Prestige Pro 450—Natural Gas, image post date Apr. 5, 2014, site visited May 15, 2016, (online), <<http://web.archive.org/web/20140405111728/http://www.bbqworld.co.uk/napoleon-prestige-pro-450-natural-gas.asp>>.

"Ultra Green series", [Online]. Retrieved from the Internet: <<http://web.archive.org/web/20140416053348/http://www.broan.com/products/filter/ultra-406c-abf1-ed72241eb706>>, (Apr. 16, 2014).

"Airvent 435103 Kitchen Extractor Fan", [Online]. Retrieved from the Internet: <<https://www.amazon.co.uk/Airvent-435103-Kitchen-Extractor-1-50mm/dp/B0085TQ75U/ref=pd.sub.--cp.sub.--107.sub.--3?ie=UTF8&refRID=1XMRP1-Q1QR5H6NZ1MR7C>>, (May 14, 2014).

"U.S. Appl. No. 11/968,250, Response filed May 22, 2014 to Final Office Action dated Jan. 22, 2014", 12 pgs.

"U.S. Appl. No. 11/968,250, Non Final Office Action dated Jun. 19, 2014", 18 pgs.

"U.S. Appl. No. 11/968,250, Response filed Sep. 19, 2014 to Non Final Office Action dated Jun. 19, 2014", 11 pgs.

Air Vent Grille Cover, image post date Nov. 9, 2014, site visited May 14, 2016, (online), <<https://www.tineye.com/search/232b8f674998285163e7a3de47a03ed0ef9b1dc-6/>>.

GDL Air Distribution Grilles, image post date Nov. 23, 2014, site visited May 14, 2016, (online), <<https://www.tineye.com/search/d0efdc23f3887a1bdc58adaa3fef15c33f2b486-b/>>.

"U.S. Appl. No. 11/968,250, Final Office Action dated Nov. 26, 2014", 20 pgs.

"Manrose FF100P Bathroom Fan", [Online]. Retrieved from the Internet: <<https://www.tineye.com/search/63988ff8b950dad9cb1aac51119050bdd00cf2-1/?pluginver=>>, (Dec. 12, 2014).

"U.S. Appl. No. 29/458,589, Restriction Requirement dated Apr. 9, 2015", 7 pgs.

(56)

References Cited

OTHER PUBLICATIONS

“U.S. Appl. No. 29/458,589, Response filed Apr. 27, 2015 to Restriction Requirement dated Apr. 9, 2015”, 4 pgs.

“Canadian Application Serial No. 163,017, Office Action dated Nov. 9, 2015”, 3 pgs.

“Canadian Application Serial No. 163,018, Office Action dated Nov. 9, 2015”, 2 pgs.

“Canadian Application Serial No. 163,019, Office Action dated Nov. 9, 2015”, 2 pgs.

“Canadian Application Serial No. 163,015, Office Action dated Nov. 10, 2015”, 5 pgs.

“Canadian Application Serial No. 163,016, Office Action dated Nov. 10, 2015”, 3 pgs.

“U.S. Appl. No. 29/521,663, Restriction Requirement dated Dec. 3, 2015”, 6 pgs.

“U.S. Appl. No. 29/521,663, Response filed Feb. 2, 2016 to Restriction Requirement dated Dec. 3, 2015”, 3 pgs.

U.S. Appl. No. 29/521,663, Notice of Allowance dated Feb. 12, 2016, 7 pgs.

“Canadian Application Serial No. 165,307, Office Action dated Feb. 15, 2016” W/ English Translation, 2 pgs.

“Canadian Application Serial No. 165,355, Office Action dated Feb. 15, 2016”, 2 pgs.

“Canadian Application Serial No. 165,366, Office Action dated Feb. 15, 2016”, with English Translation, 2 pgs.

“Canadian Application Serial No. 163,017, Response filed Mar. 9, 2016 to Office Action dated Nov. 9, 2015”, 8 pgs.

“Canadian Application Serial No. 163,018, Response filed Mar. 9, 2016 to Office Action dated Nov. 9, 2015”, 7 pgs.

“Canadian Application Serial No. 163,019, Response filed Mar. 9, 2016 to Office Action dated Nov. 9, 2015”, 7 pgs.

“U.S. Appl. No. 29/489,619, Notice of Allowance dated Apr. 15, 2015”, 13 pgs.

“U.S. Appl. No. 29/489,619, Response filed Jan. 14, 2015 to Restriction Requirement dated Dec. 3, 2014”, 6 pgs.

“U.S. Appl. No. 29/489,619, Restriction Requirement dated Dec. 3, 2014”, 7 pgs.

“Canadian Application Serial No. 159,363, Office Action dated Mar. 27, 2015”.

“Chinese Application Serial No. 201430427547.0 Response filed May 26, 2015 to Office Action dated Mar. 11, 2015”, 7 pgs.

“Canadian Application Serial No. 163,780, Office Action dated Sep. 14, 2015”, 2 pgs.

“Canadian Application Serial No. 163,780, Response filed Jan. 8, 2016 to Office Action dated Sep. 14, 2015”, 4 pgs.

“Canadian Application Serial No. 164,084, Office Action dated Jan. 28, 2016”, 1 pg.

“Canadian Application Serial No. 164,084, Office Action dated Sep. 9, 2015”, 2 pgs.

“Canadian Application Serial No. 164,084, Response filed Jan. 6, 2016 to Office Action dated Sep. 9, 2015”, 10 pgs.

* cited by examiner

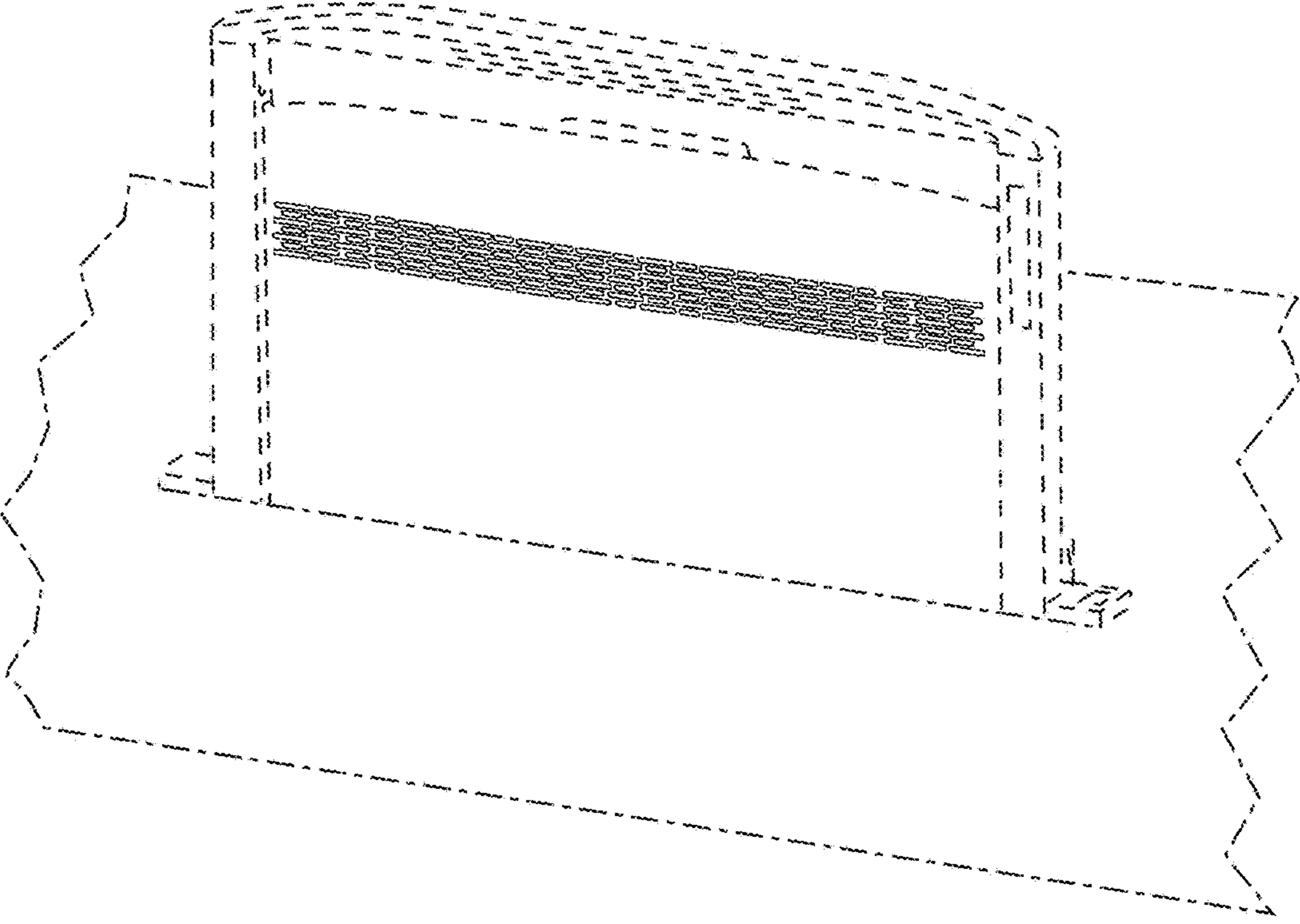


FIG. 1

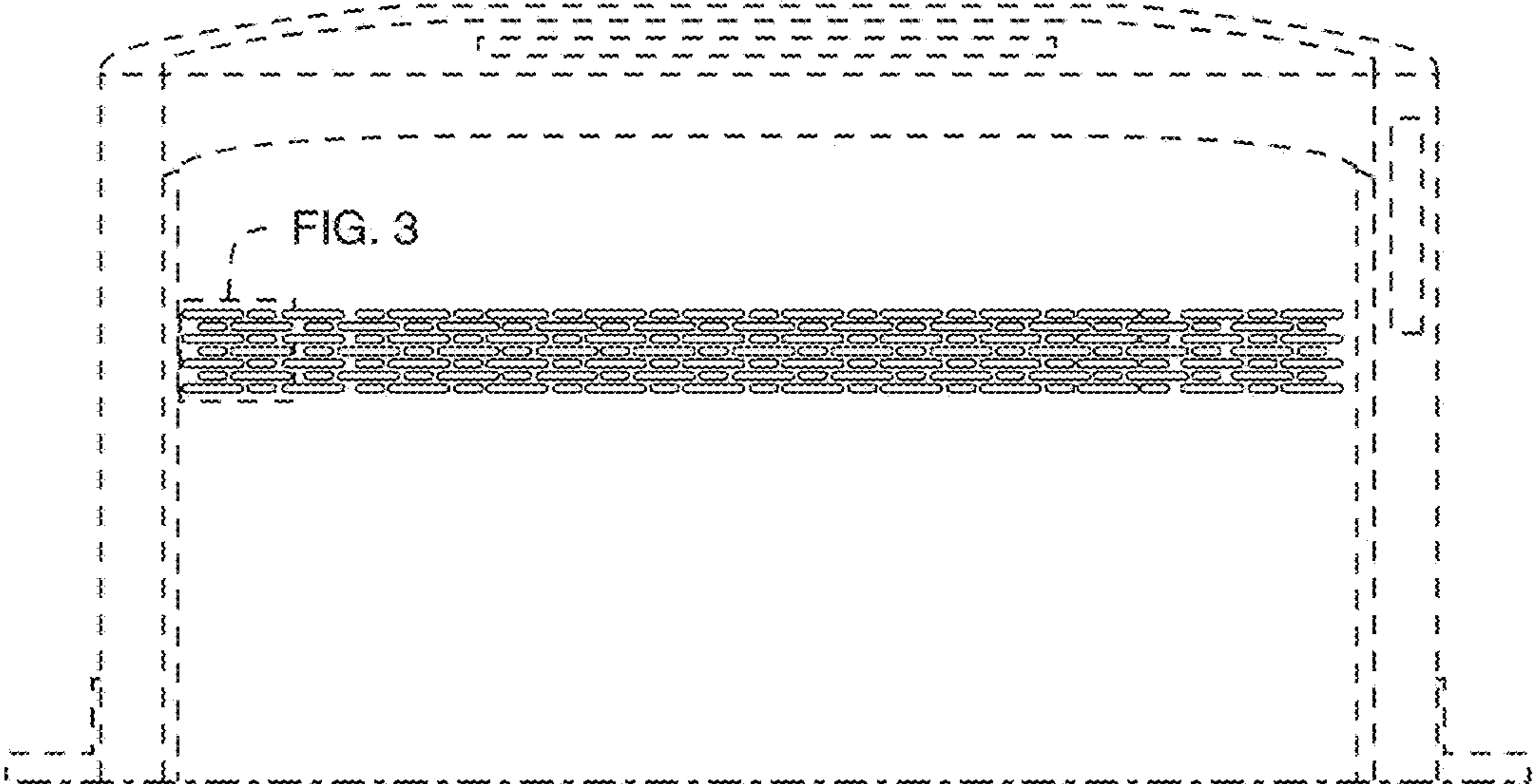


FIG. 2

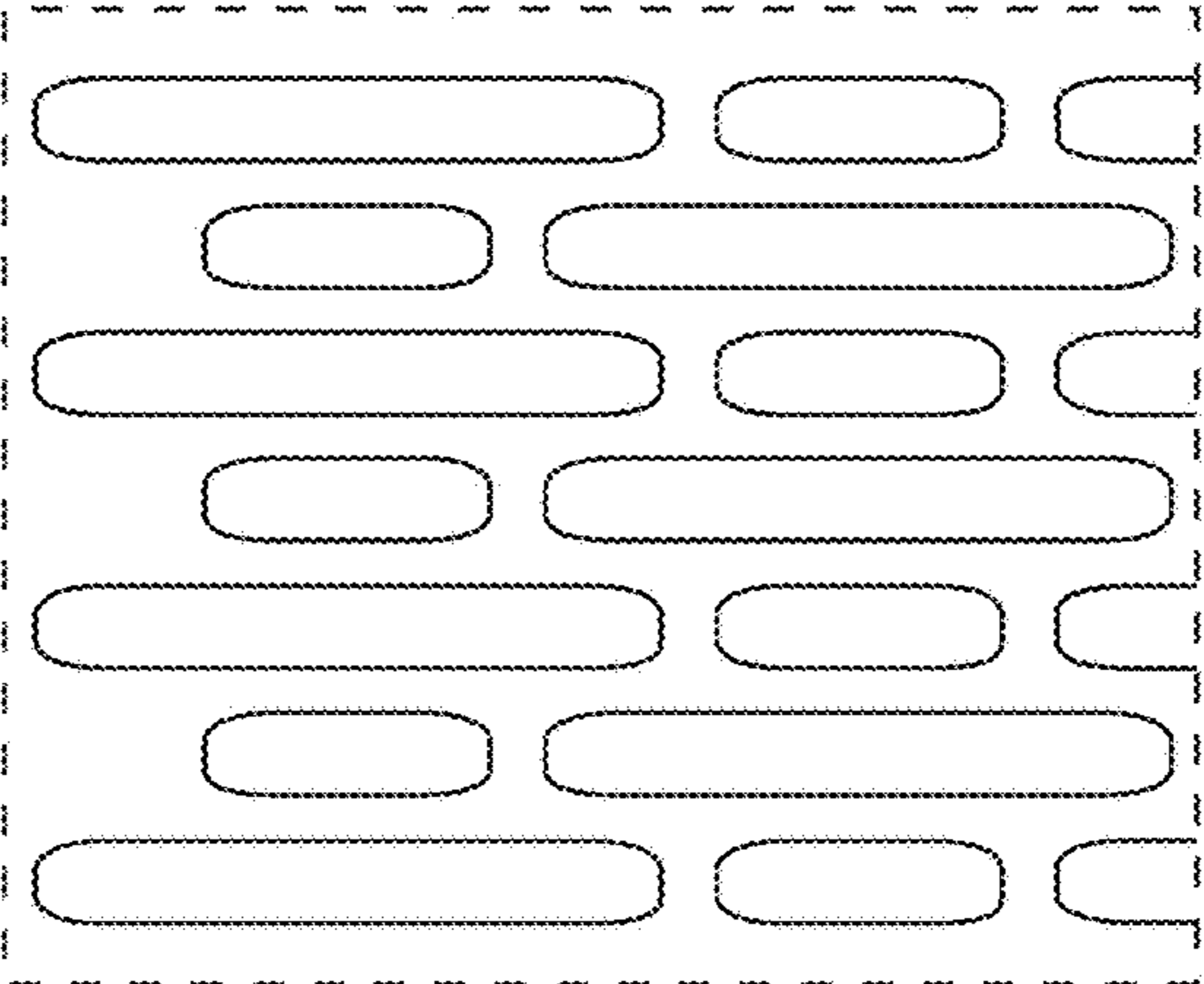


FIG. 3