



US00D694553S

(12) **United States Design Patent**
Sobran

(10) **Patent No.:** **US D694,553 S**

(45) **Date of Patent:** **** Dec. 3, 2013**

- (54) **MATTRESS BED CUSHION**
- (71) Applicant: **Ivan Sobran**, Raleigh, NC (US)
- (72) Inventor: **Ivan Sobran**, Raleigh, NC (US)

2,835,313 A 5/1958 Dodge
 2,835,906 A 5/1958 Robbins
 2,917,807 A 12/1959 Scholl

(Continued)

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(**) Term: **14 Years**

(21) Appl. No.: **29/436,799**

(22) Filed: **Nov. 9, 2012**

FOREIGN PATENT DOCUMENTS

CN	2137475	Y	7/1993
CN	2302709	Y	1/1999
CN	1233444	A	11/1999
CN	2432041	Y	5/2001
CN	2841067	Y	11/2006
DE	3937214	A1	5/1991
EP	0349620	A1	1/1990
EP	0209453	B2	9/1993

(Continued)

Related U.S. Application Data

- (63) Continuation-in-part of application No. 13/630,435, filed on Sep. 28, 2012, which is a continuation-in-part of application No. 13/458,239, filed on Apr. 27, 2012, which is a continuation-in-part of application No. 12/716,804, filed on Mar. 3, 2010, now Pat. No. 8,356,373.

(51) **LOC (9) Cl.** **06-09**

(52) **U.S. Cl.**
USPC **D6/596; D6/605**

(58) **Field of Classification Search**
USPC D6/601, 605, 606; 5/716, 717, 727,
5/720, 740; 267/153; D25/119-125, 136
See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

831,441	A	*	9/1906	Johnson	5/727
1,579,074	A	*	3/1926	Burton	5/690
1,930,285	A		10/1933	Robinson		
2,192,516	A		3/1940	Cunnington		
2,241,644	A		5/1941	Nichols et al.		
2,369,000	A		2/1945	Page		
2,429,508	A		10/1947	Belaieff		
2,604,642	A		7/1952	Marco		
2,659,418	A		11/1953	Berman		
2,682,125	A		6/1954	Coffield		

Invitation to Pay Additional Fees for PCT/US2012/035564 mailed Jan. 17, 2013, 7 pages.

(Continued)

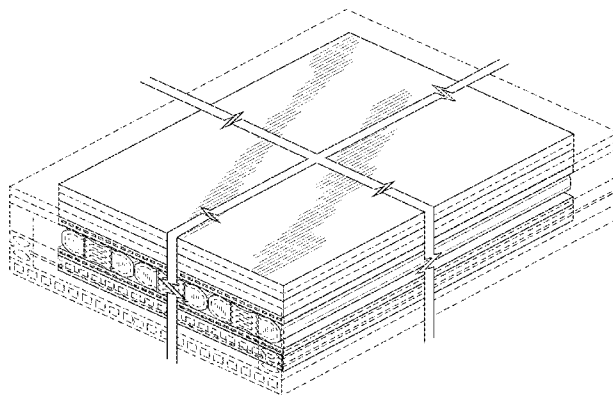
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(57) **CLAIM**
The ornamental design for mattress bed cushion, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of an exemplary mattress bed cushion;
 FIG. 2 is a top view of the mattress bed cushion of FIG. 1, and a bottom view is identical thereto;
 FIG. 3 is a left side view of the mattress bed cushion of FIG. 1, and a right side view is identical thereto; and,
 FIG. 4 is a front view of the mattress bed cushion of FIG. 1, and a rear view is identical thereto.
 The mattress bed cushion is shown with symbolic breaks in its length and width. The appearance of any portion of the article between the break lines forms no part of the claimed design. Broken lines in the drawings are for illustrative purposes only and do not form part of the claimed design.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,955,056 A	10/1960	Knox	4,999,868 A	3/1991	Kraft
3,026,544 A	3/1962	Persicke et al.	5,022,111 A	6/1991	Fenner
3,047,888 A	8/1962	Shecter et al.	5,031,261 A	7/1991	Fenner, Sr.
3,061,460 A	10/1962	Schickedanz	5,037,859 A	8/1991	Williams, Jr. et al.
3,107,377 A	10/1963	Nathan	5,038,433 A	8/1991	Farley
3,114,722 A	12/1963	Einhorn et al.	5,047,436 A	9/1991	Hill et al.
3,188,665 A	6/1965	Snyder	5,070,560 A	12/1991	Wilkinson
3,222,697 A	12/1965	Scheermesser	D322,907 S	1/1992	Raburn
3,283,357 A	11/1966	Decker et al.	5,083,335 A	1/1992	Krouskop et al.
3,287,748 A	11/1966	Thomas et al.	5,086,084 A	2/1992	Michaelson
3,319,272 A	5/1967	Eller	5,087,514 A	2/1992	Graefe
3,483,069 A	12/1969	Cairns et al.	5,098,778 A	3/1992	Minnick
3,531,552 A	9/1970	Getz et al.	5,114,773 A	5/1992	Bogdany et al.
3,551,924 A	1/1971	Frye, Sr.	5,118,555 A	6/1992	Horovitz
3,591,444 A	7/1971	Hoppe	5,132,549 A	7/1992	Allan et al.
3,607,596 A	9/1971	Fairbanks	5,136,740 A	8/1992	Kraft et al.
3,607,797 A	9/1971	Rubens et al.	5,138,730 A	8/1992	Masuda
3,627,622 A	12/1971	Vega	5,206,082 A	4/1993	Malone
3,691,569 A	9/1972	Ikada	5,248,550 A	9/1993	Turpin et al.
3,728,206 A	4/1973	Buese	5,272,001 A	12/1993	Weisman et al.
3,813,462 A	5/1974	Roberts	5,274,846 A	1/1994	Kolsky et al.
3,846,857 A	11/1974	Weinstock	5,280,890 A	1/1994	Wydra
3,878,133 A	4/1975	Rubens	5,327,597 A	7/1994	Rothbard
3,922,429 A	11/1975	Welch et al.	5,366,999 A	11/1994	Giez et al.
3,989,781 A	11/1976	Chant	5,389,317 A	2/1995	Grimmer
4,051,210 A	9/1977	Wallenberger	5,393,588 A	2/1995	Weddendorf
D247,373 S	2/1978	Puccio	5,395,860 A	3/1995	Leung et al.
4,073,020 A	2/1978	Stalter et al.	5,415,822 A	5/1995	Cook
4,106,139 A	8/1978	Southard	5,418,257 A	5/1995	Weisman et al.
4,110,857 A	9/1978	Banister	5,430,901 A	7/1995	Farley
4,134,166 A	1/1979	Schuder	5,451,451 A	9/1995	Minnick
4,143,435 A	3/1979	Masuda	5,488,746 A	2/1996	Hudson
4,146,562 A	3/1979	Fukushima et al.	5,491,852 A	2/1996	Maucher
4,159,355 A	6/1979	Kaufman	5,492,662 A	2/1996	Kargol et al.
4,169,184 A	9/1979	Pufahl	5,494,627 A	2/1996	Kargol et al.
4,213,214 A	7/1980	Gilhooly	5,513,402 A *	5/1996	Schwartz 5/691
4,224,374 A	9/1980	Priest	5,544,908 A	8/1996	Fezio
4,230,521 A	10/1980	Cobb et al.	5,642,557 A	7/1997	Clews
4,260,660 A	4/1981	McCarter	5,643,139 A	7/1997	Stout et al.
4,276,107 A	6/1981	Pufahl	5,686,167 A	11/1997	Rudy
4,279,953 A	7/1981	Barden et al.	5,701,623 A	12/1997	May
4,281,197 A	7/1981	Oblinger	5,721,035 A	2/1998	Dunn
4,348,243 A	9/1982	Craubner	5,740,574 A	4/1998	Piraino et al.
4,350,734 A	9/1982	Hammond	D394,578 S	5/1998	Raburn
4,393,116 A	7/1983	Taylor	5,755,901 A	5/1998	Ormachea
4,397,053 A	8/1983	Fanti	5,801,211 A	9/1998	Tornero et al.
4,432,110 A	2/1984	Sutton	5,806,796 A	9/1998	Healey
4,438,221 A	3/1984	Fracalossi et al.	D401,451 S	11/1998	Sherman
4,524,473 A	6/1985	Fanti	D406,051 S	2/1999	Ross
4,525,386 A	6/1985	Weisman	5,869,172 A	2/1999	Caldwell et al.
4,537,825 A	8/1985	Yardley	5,876,652 A	3/1999	Rorabaugh et al.
4,569,861 A	2/1986	Smith et al.	5,919,413 A	7/1999	Avila
4,603,445 A	8/1986	Spann	5,944,389 A	8/1999	Zenba et al.
4,618,517 A	10/1986	Simko, Jr.	5,945,461 A	8/1999	Gosiewski et al.
4,620,337 A	11/1986	Williams et al.	5,960,497 A	10/1999	Castellino et al.
4,631,768 A	12/1986	Ferrall	5,977,271 A	11/1999	McKay et al.
4,683,246 A	7/1987	Davis et al.	5,987,668 A	11/1999	Ackley
4,700,447 A	10/1987	Spann	D418,394 S	1/2000	King
4,713,854 A	12/1987	Graebe	6,026,527 A	2/2000	Pearce et al.
4,722,158 A	2/1988	Urdaneta	6,108,835 A	8/2000	Hwang et al.
4,741,058 A	5/1988	Williams et al.	6,129,978 A	10/2000	Caldwell
4,755,408 A	7/1988	Noel	6,132,323 A	10/2000	Smith et al.
4,780,167 A	10/1988	Hill	6,139,956 A	10/2000	Endoh et al.
4,796,316 A	1/1989	Boselli	6,212,720 B1	4/2001	Antinori et al.
4,828,325 A	5/1989	Brooks	6,237,173 B1	5/2001	Schlichter et al.
4,837,060 A	6/1989	Bambara et al.	6,258,310 B1	7/2001	Sardanopoli et al.
4,837,881 A	6/1989	Kondo et al.	6,262,137 B1	7/2001	Kozma et al.
4,879,776 A	11/1989	Farley	6,284,346 B1	9/2001	Sheridan
4,952,450 A	8/1990	Noel	6,306,235 B1	10/2001	Henderson
D310,460 S	9/1990	Vergnano	6,309,235 B1	10/2001	Argaut
4,955,096 A	9/1990	Gilroy et al.	6,317,912 B1	11/2001	Graebe et al.
4,957,798 A	9/1990	Bogdany	6,323,251 B1	11/2001	Perez et al.
4,966,919 A	10/1990	Williams, Jr. et al.	D456,197 S	4/2002	McClure et al.
4,972,535 A	11/1990	Goldman	6,406,780 B1	6/2002	Sutherland
4,997,804 A	3/1991	Pekala	6,425,153 B1	7/2002	Reswick
			D467,118 S	12/2002	McClure et al.
			6,537,405 B1	3/2003	Henderson et al.
			6,555,214 B1	4/2003	Yates
			6,574,814 B2	6/2003	Collard et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

6,596,389	B1	7/2003	Hallett et al.
6,612,556	B2	9/2003	Petrina
6,643,876	B2	11/2003	Visser et al.
6,658,683	B2	12/2003	Parvin
6,687,935	B2	2/2004	Reeder et al.
6,691,482	B1	2/2004	Ault
6,701,551	B1	3/2004	Antinori
6,740,381	B2	5/2004	Day et al.
6,743,830	B2	6/2004	Soane et al.
6,807,698	B2	10/2004	Torbet et al.
6,866,915	B2	3/2005	Landvik
6,920,287	B1	7/2005	Hinds et al.
6,949,588	B2	9/2005	Park
6,967,833	B2	11/2005	Boykin et al.
7,045,206	B1	5/2006	Granata et al.
7,059,001	B2	6/2006	Woolfson
7,076,822	B2	7/2006	Pearce
7,086,108	B1	8/2006	Litvak
7,090,911	B2	8/2006	Lascalles
7,093,619	B2	8/2006	Watanabe et al.
7,108,252	B2	9/2006	Jayakumaran
7,159,620	B2	1/2007	Kissell
7,166,646	B2	1/2007	Loh et al.
7,173,070	B2	2/2007	Koffler
7,191,483	B2	3/2007	Hochschild
7,281,917	B2	10/2007	Hannen
7,285,316	B2	10/2007	Meyer-Ahrens et al.
7,334,280	B1	2/2008	Swartzburg
7,386,903	B2	6/2008	Hochschild
7,393,577	B2	7/2008	Day et al.
7,426,767	B2	9/2008	Mossbeck
D579,586	S	10/2008	Mattingly
7,452,585	B1	11/2008	Wong et al.
7,490,819	B2	2/2009	Molitor
7,491,753	B2	2/2009	Krishnan
7,496,981	B2	3/2009	Cucurull
7,607,911	B2	10/2009	Sperry et al.
7,793,372	B2	9/2010	Lean et al.
7,794,827	B2	9/2010	Palmer et al.
7,845,035	B2	12/2010	Letton et al.
D640,535	S	6/2011	Austro
8,034,445	B2	10/2011	Landvik et al.
8,127,383	B2	3/2012	Gladney et al.
D663,152	S	7/2012	Shive
8,307,482	B2	11/2012	Gladney et al.
D673,402	S	1/2013	Kuzyk
D675,051	S	1/2013	Sobran et al.
8,356,373	B2	1/2013	Allman et al.
D675,856	S	2/2013	Yiannaki
8,418,297	B2	4/2013	Mikkelsen et al.
2001/0029632	A1	10/2001	Parvin
2001/0044972	A1	11/2001	Kutschi
2002/0054996	A1	5/2002	Rheenen
2002/0162173	A1	11/2002	Formenti
2002/0185905	A1	12/2002	Cassinelli
2003/0177584	A1	9/2003	Boyd
2003/0194546	A1	10/2003	McCabe
2003/0207634	A1	11/2003	Holeschovsky
2004/0010855	A1	1/2004	Piraino
2004/0126558	A1	7/2004	Williams et al.
2004/0133987	A1	7/2004	Reeder et al.
2004/0137212	A1	7/2004	Ochoa et al.
2004/0172766	A1	9/2004	Formenti
2004/0187217	A1	9/2004	Barman et al.
2005/0115003	A1	6/2005	Torbet et al.
2005/0188467	A1	9/2005	Woolfson
2005/0192368	A1	9/2005	Miller et al.
2006/0068169	A1	3/2006	Hanada et al.
2006/0123553	A1	6/2006	Jansen
2006/0127648	A1	6/2006	De Luca
2006/0194892	A1	8/2006	Ramesh et al.
2006/0195988	A1	9/2006	Gladney
2006/0272098	A1	12/2006	Hochschild
2006/0290039	A1	12/2006	Cao et al.
2007/0022540	A1	2/2007	Hochschild
2007/0044906	A1	3/2007	Park
2007/0094801	A1	5/2007	Kuo
2007/0221890	A1	9/2007	Gan
2007/0289069	A1	12/2007	Wells
2008/0014387	A1	1/2008	Murphy et al.
2008/0201860	A1*	8/2008	Malzl 5/727
2008/0299379	A1	12/2008	Maurer et al.
2008/0313815	A1	12/2008	Guesquiere
2009/0011203	A1	1/2009	Mock et al.
2009/0013472	A1	1/2009	Koffler et al.
2009/0047495	A1	2/2009	Hubbs
2009/0139033	A1	6/2009	Gladney
2009/0142551	A1	6/2009	Fox et al.
2009/0183314	A1	7/2009	Demoss
2009/0291290	A1	11/2009	Zhang et al.
2010/0018347	A1	1/2010	Holden et al.
2010/0021690	A1	1/2010	McCarthy
2010/0030316	A1	2/2010	Prindle et al.
2010/0047550	A1	2/2010	Prissok et al.
2010/0143652	A1	6/2010	Stockton et al.
2010/0146706	A1	6/2010	Siegner et al.
2010/0183847	A1	7/2010	Pearce et al.
2010/0218319	A1	9/2010	Moule et al.
2010/0221521	A1	9/2010	Wagner et al.
2010/0223732	A1	9/2010	Allman et al.
2010/0223734	A1	9/2010	Oh
2010/0237082	A1	9/2010	Fernandez
2010/0304104	A1	12/2010	Nagasaki et al.
2010/0319137	A1	12/2010	Witherell et al.
2010/0325806	A1	12/2010	Letton et al.
2011/0049327	A1	3/2011	Young et al.
2011/0179579	A1	7/2011	Henderson et al.
2011/0197363	A1	8/2011	Kokenes et al.
2012/0180225	A1	7/2012	Gladney et al.
2012/0233784	A1	9/2012	Wood
2012/0272457	A1	11/2012	Allman et al.
2012/0284928	A1	11/2012	Henderson et al.
2013/0098791	A1	4/2013	Saunders et al.

FOREIGN PATENT DOCUMENTS

EP	0996654	B1	5/2000
EP	1825996	A1	8/2007
EP	1865812	A1	12/2007
EP	1914274	A1	4/2008
EP	2095745	A1	9/2009
EP	2247223	B1	3/2013
GB	1423541	A	2/1976
GB	2225229	A	5/1990
WO	9514136	A1	5/1995
WO	9522922	A1	8/1995
WO	02075203	A1	9/2002
WO	02077513	A1	10/2002
WO	2004041659	A2	5/2004
WO	2008100728	A2	8/2008
WO	2009014657	A1	1/2009
WO	2010075231	A1	7/2010
WO	2011150080	A1	12/2011
WO	2012033985	A1	3/2012
WO	2012076978	A1	6/2012
WO	2012094466	A1	7/2012
WO	2012094468	A1	7/2012
WO	2012145320	A1	10/2012
WO	2012155131	A1	11/2012
WO	2012155132	A1	11/2012
WO	2013012904	A1	1/2013
WO	2013040543	A2	3/2013
WO	2013059767	A1	4/2013
WO	2013106066	A1	7/2013
WO	2013112176	A1	8/2013
WO	2013112840	A1	8/2013

OTHER PUBLICATIONS

Non-final Office Action for U.S. Appl. No. 29/413,103 mailed Jan. 8, 2013, 5 pages.
International Search Report for PCT/US2010/040003 mailed Aug. 30, 2010, 10 pages.

(56)

References Cited

OTHER PUBLICATIONS

- Non-final Office Action for U.S. Appl. No. 12/893,265 mailed May 15, 2012, 15 pages.
- Chinese Office Action for patent application 20102187662.1 mailed Oct. 21, 2010, 3 pages.
- Non-final Office Action for U.S. Appl. No. 12/823,653 mailed Mar. 7, 2012, 6 pages.
- Kelmpner, Daniel et al., "3.3 Open- and Closed-Cell Foamed Plastics," in Handbook of Polymeric Foam and Foam Technology, Second Edition, Hanser Gardner Publications, Inc., Cincinnati, OH, Apr. 2004, pp. 22, 39 and 59.
- Smock, D., "One-step SkinForm process went live at NPE2012," Plasticstoday.com, Apr. 13, 2012, 2 pages, Accessed Apr. 18, 2012.
- European Search Report for European Patent Application No. 10749317.3 mailed Oct. 30, 2012, 7 pages.
- International Preliminary Report on Patentability for PCT/US2011/024759 mailed Aug. 14, 2012, 8 pages.
- International Search Report and Written Opinion for PCT/US2011/024759 mailed Apr. 7, 2011, 12 pages.
- International Search Report for PCT/US2012/057917 mailed Dec. 21, 2012, 11 pages.
- Non-final Office Action for U.S. Appl. No. 12/716,804 mailed Jun. 21, 2012, 10 pages.
- Notice of Allowance for U.S. Appl. No. 12/716,804 mailed Dec. 11, 2012, 9 pages.
- Non-final Office Action for U.S. Appl. No. 13/026,979 mailed May 17, 2013, 11 pages.
- Non-final Office Action for U.S. Appl. No. 29/426,274 mailed May 14, 2013, 4 pages.
- Notice of Allowance for U.S. Appl. No. 29/413,103 mailed May 2, 2013, 7 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,783 mailed Mar. 14, 2013, 6 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,792 mailed Mar. 19, 2013, 5 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,801 mailed Mar. 15, 2013, 6 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,831 mailed Mar. 15, 2013, 5 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,833 mailed Mar. 15, 2013, 5 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,847 mailed Mar. 15, 2013, 5 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,860 mailed Mar. 15, 2013, 5 pages.
- Final Office Action for U.S. Appl. No. 12/893,265 mailed Mar. 15, 2013, 12 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,781 mailed Mar. 19, 2013, 7 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,786 mailed Mar. 19, 2013, 8 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,842 mailed May 23, 2013, 6 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,806 mailed Mar. 21, 2013, 6 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,781 mailed May 24, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,782 mailed May 24, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,783 mailed May 28, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,786 mailed May 28, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,787 mailed May 13, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,790 mailed May 28, 2013, 8 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,793 mailed Mar. 15, 2013, 5 pages.
- Non-final Office Action for U.S. Appl. No. 29/436,795 mailed May 23, 2013, 6 pages.
- Canadian Office Action for Canadian patent application 2,783,886 mailed Mar. 21, 2013, 3 pages.
- Official Action for Mexican patent application MX/a/2011/009080 mailed Mar. 22, 2013, 6 pages.
- International Search Report for PCT/US2012/035564 mailed Mar. 26, 2013, 13 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,787 mailed Jul. 5, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,790 mailed Jul. 5, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/436,782 mailed Jul. 8, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/413,103 mailed Jul. 9, 2013, 8 pages.
- Notice of Allowance for U.S. Appl. No. 29/428,120 mailed Jul. 23, 2013, 7 pages.
- Non-final Office Action for U.S. Appl. No. 29/426,274 mailed Sep. 13, 2013, 5 pages.

* cited by examiner

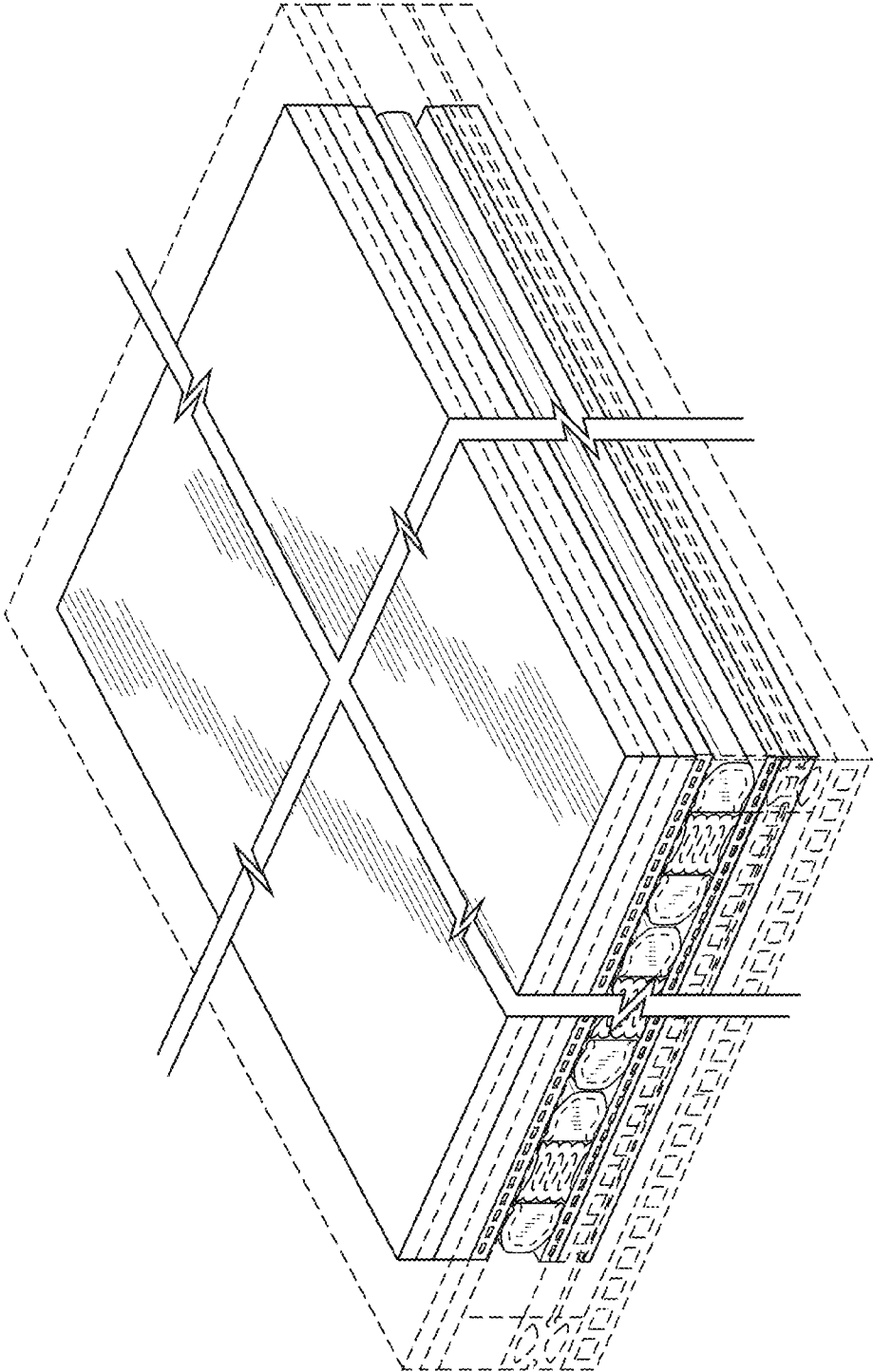


FIG. 1

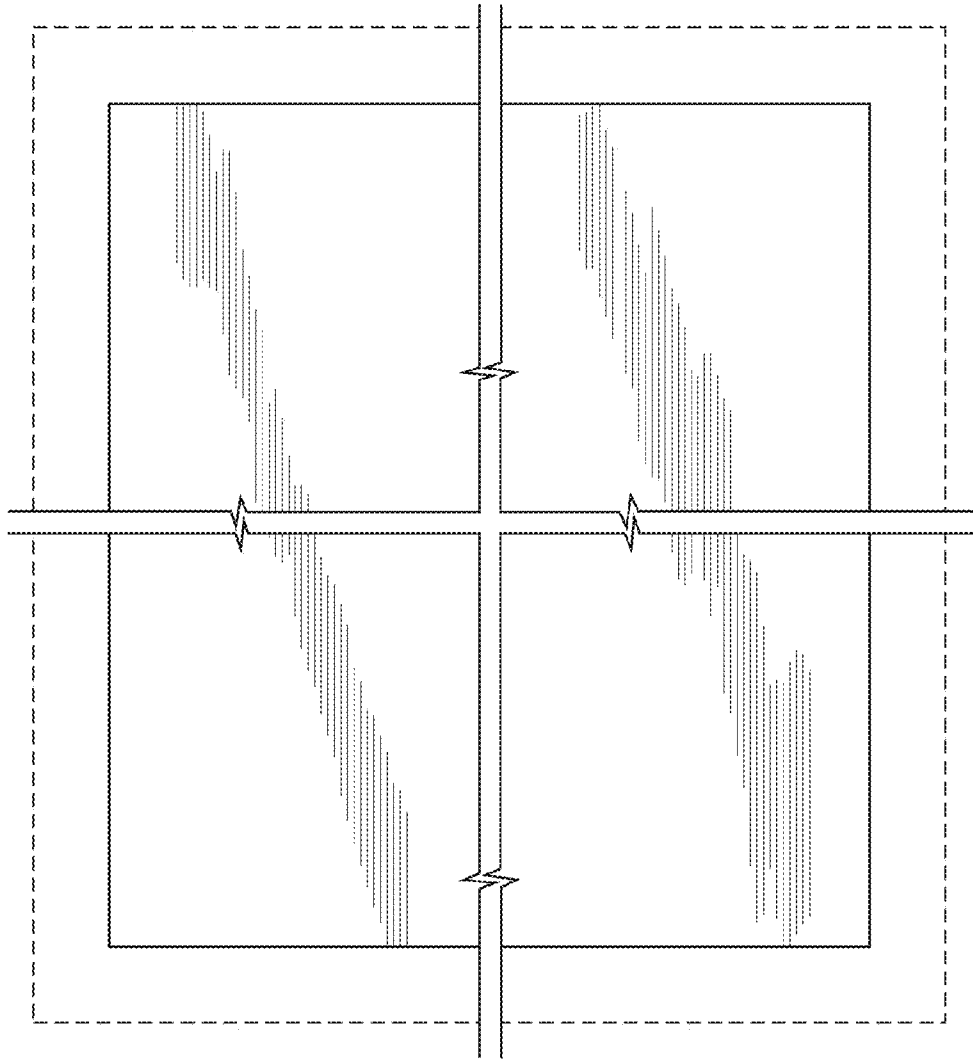


FIG. 2

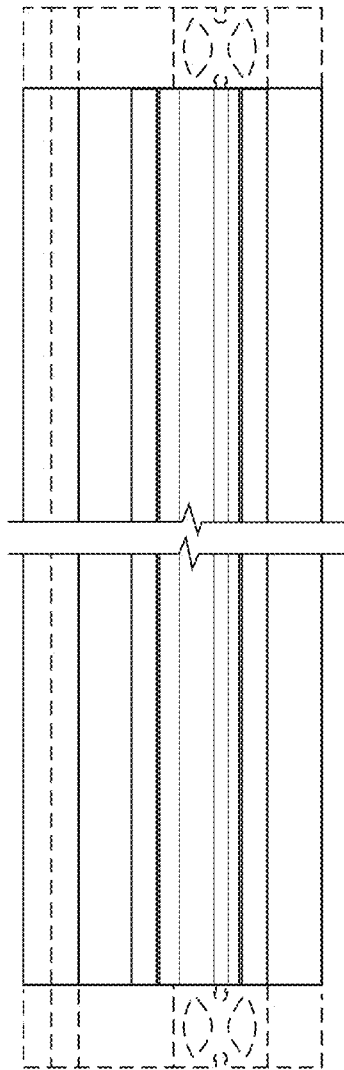


FIG. 3

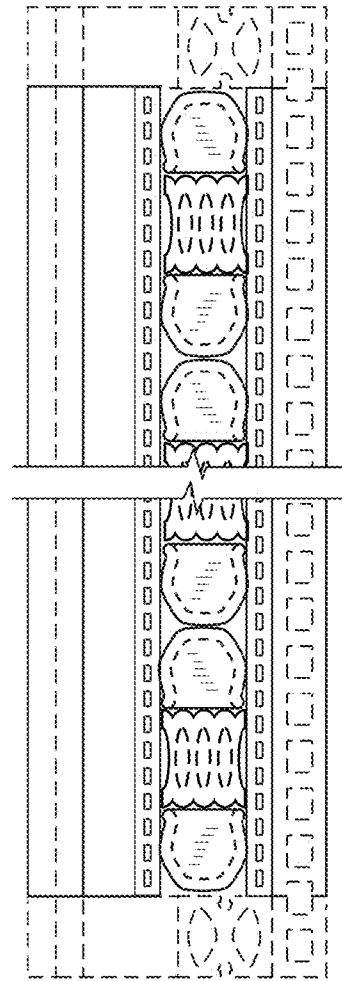


FIG. 4