

US00D631829S

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

(10) **Patent No.:** **US D631,829 S**

(45) **Date of Patent:** **\*\* \*Feb. 1, 2011**

(54) **BATTERY PACK**

(75) Inventors: **Per Onnerud**, Framingham, MA (US);  
**Christina M. Lampe-Onnerud**,  
Framingham, MA (US)

(73) Assignee: **Boston-Power, Inc.**, Westborough, MA  
(US)

(\*) Notice: This patent is subject to a terminal dis-  
claimer.

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

(21) Appl. No.: **29/312,302**

(22) Filed: **Oct. 14, 2008**

(51) **LOC (9) Cl.** ..... **13-02**

(52) **U.S. Cl.** ..... **D13/103**

(58) **Field of Classification Search** ..... D13/102–106,  
D13/110, 118–119, 184; 429/96–100, 163,  
429/176

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,075,556	A *	10/1913	Fenoughty	.....	429/99
4,151,583	A *	4/1979	Miller	.....	362/205
4,288,733	A *	9/1981	Bilanceri et al.	.....	320/113
4,532,194	A *	7/1985	Liautaud et al.	.....	429/99
4,559,588	A	12/1985	Engelson et al.		
D283,812	S *	5/1986	Liautaud et al.	.....	D13/103
D303,373	S *	9/1989	Ching, Jr.	.....	D13/103
D306,851	S *	3/1990	Weimann	.....	D13/103
D307,133	S *	4/1990	Ching, Jr.	.....	D13/103
D307,260	S *	4/1990	Happy et al.	.....	D13/102
5,001,772	A *	3/1991	Holcomb et al.	.....	455/575.1
D334,169	S	3/1993	Antonczak		
5,246,790	A *	9/1993	Mooney et al.	.....	429/7
5,357,411	A	10/1994	Menke et al.		
D372,701	S *	8/1996	Tahmassebpur	.....	D13/103
D388,060	S *	12/1997	Tanaka et al.	.....	D13/103
D390,187	S *	2/1998	Urvoy	.....	D13/103
5,736,271	A *	4/1998	Cisar et al.	.....	429/96

5,736,272	A *	4/1998	Veenstra et al.	.....	429/99
5,804,332	A	9/1998	Shimizu et al.		
D406,258	S *	3/1999	Segers	.....	D13/103
D409,975	S *	5/1999	Zeller	.....	D13/103
5,907,227	A	5/1999	Domei et al.		
5,928,809	A *	7/1999	Ju	.....	429/100
5,958,618	A *	9/1999	Sullivan	.....	429/99
5,962,159	A *	10/1999	Satou et al.	.....	429/99
D424,513	S *	5/2000	Birkestrand	.....	D13/103

(Continued)

**OTHER PUBLICATIONS**

TechRepublic Photo Gallery blog, Author Unknown, titled "Boston-Power's 'Sonata' battery". Dated Jan. 30, 2007 (Part 1 of 2) (2 pages). ([http://techrepublic.com.com/2346-10877\\_11-42504-1.html](http://techrepublic.com.com/2346-10877_11-42504-1.html)).\*

(Continued)

*Primary Examiner*—Rosemary K Tarca  
(74) *Attorney, Agent, or Firm*—Hamilton, Brook, Smith & Reynolds, P.C.

(57) **CLAIM**

The ornamental design for a battery pack, as shown and described.

**DESCRIPTION**

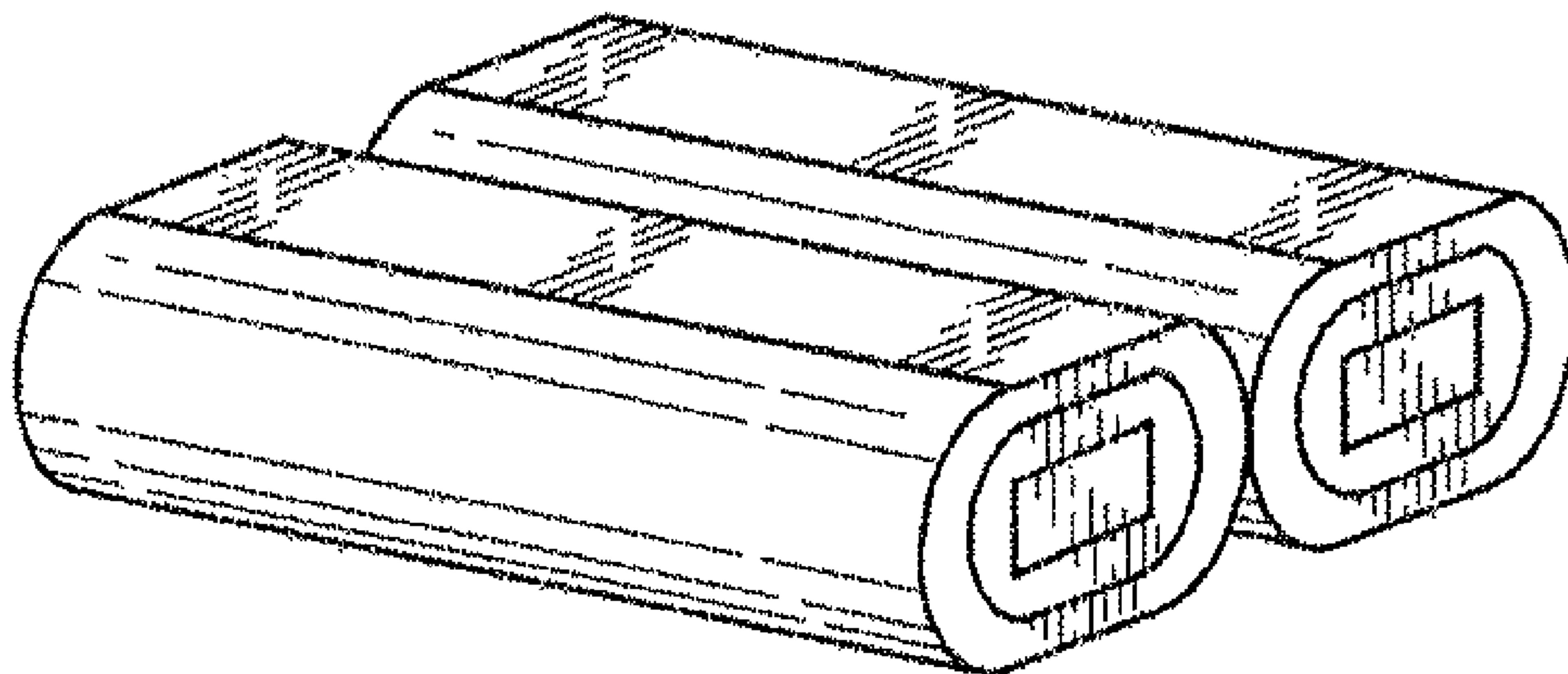
FIG. 1 is a perspective view of a battery pack showing our new design.

FIG. 2 is a top plan view of FIG. 1, with the bottom plan view being identical.

FIG. 3 is a side elevational view of FIG. 1, with the other side view being identical; and,

FIG. 4 is a front elevational view of FIG. 1, with the rear view being identical.

**1 Claim, 1 Drawing Sheet**



# US D631,829 S

Page 2

## U.S. PATENT DOCUMENTS

D424,933	S *	5/2000	Albright et al. ....	D9/423	7,614,107	B2	11/2009	Cobabe et al.	
D425,417	S *	5/2000	Gaffney et al. ....	D9/423	2002/0022159	A1 *	2/2002	Pierson et al. ....	429/1
6,120,932	A *	9/2000	Slipy et al. ....	429/99	2003/0003350	A1 *	1/2003	Heimer et al. ....	429/99
6,218,042	B1 *	4/2001	Naudet et al. ....	429/97	2003/0006733	A1	1/2003	Abe	
6,224,997	B1 *	5/2001	Papadopoulos .....	429/99	2003/0044677	A1 *	3/2003	Naruoka .....	429/161
D445,758	S *	7/2001	Killebrew et al. ....	D13/103	2003/0129487	A1 *	7/2003	Inoue et al. ....	429/176
6,283,611	B1	9/2001	Sharrah et al.		2004/0155951	A1	8/2004	Tanaka	
6,303,248	B1 *	10/2001	Peterson .....	429/177	2004/0191614	A1 *	9/2004	Iwasaki et al. ....	429/96
6,334,697	B1	1/2002	Gappelberg et al.		2004/0219422	A1 *	11/2004	Hauck et al. ....	429/96
D454,110	S *	3/2002	Andre et al. ....	D13/110	2004/0241539	A1 *	12/2004	Katayama .....	429/97
D457,133	S *	5/2002	Yoneyama .....	D13/103	2005/0058891	A1 *	3/2005	Marraffa .....	429/99
D461,163	S *	8/2002	Hirano et al. ....	D13/103	2005/0122715	A1	6/2005	Furth et al.	
6,433,498	B1	8/2002	Domei et al.		2005/0144744	A1	7/2005	Thiess et al.	
6,447,949	B2 *	9/2002	Iwata et al. ....	429/185	2005/0150067	A1	7/2005	Cobabe et al.	
6,558,835	B1 *	5/2003	Kurisu et al. ....	429/159	2005/0191544	A1 *	9/2005	Casanova .....	429/100
6,636,732	B1 *	10/2003	Boling et al. ....	455/404.1	2006/0007721	A1 *	1/2006	Rodriguez et al. ....	363/146
D481,557	S	11/2003	Harris		2006/0024566	A1 *	2/2006	Plummer .....	429/100
D488,027	S	4/2004	Lin		2006/0034073	A1	2/2006	Uke	
D491,888	S *	6/2004	Lee .....	D13/103	2006/0076923	A1 *	4/2006	Eaves .....	320/112
D504,349	S	4/2005	Shagalov		2006/0091849	A1 *	5/2006	Huynh et al. ....	320/112
6,930,697	B2	8/2005	Tanaka		2006/0119317	A1 *	6/2006	Kogan et al. ....	320/112
6,942,359	B2	9/2005	Furth et al.		2006/0176689	A1 *	8/2006	Dowdy et al. ....	362/188
D510,721	S	10/2005	Axelrod		2006/0291198	A1 *	12/2006	Dalton et al. ....	362/191
7,033,695	B2	4/2006	Sawachi		2007/0002559	A1 *	1/2007	Uke .....	362/157
D524,728	S	7/2006	Watson		2007/0019402	A1 *	1/2007	Dalton et al. ....	362/157
D528,974	S	9/2006	Tang		2007/0034258	A1	2/2007	Parsons et al.	
7,105,247	B2 *	9/2006	Suzuki .....	429/96	2007/0126397	A1 *	6/2007	Kogan et al. ....	320/112
D529,437	S	10/2006	Miyashita		2007/0133197	A1 *	6/2007	Shiau .....	362/157
D529,709	S	10/2006	Swartz et al.		2007/0210745	A1 *	9/2007	Dingeldein .....	320/112
D532,363	S	11/2006	Morisawa		2007/0231680	A1	10/2007	Satoh et al.	
D535,195	S	1/2007	Schwab		2007/0264536	A1 *	11/2007	Mizoguchi .....	429/9
D537,034	S *	2/2007	Kang et al. ....	D13/103	2008/0096521	A1 *	4/2008	Boling et al. ....	455/404.2
7,176,655	B2 *	2/2007	Kogan et al. ....	320/112	2008/0124618	A1 *	5/2008	Shimoyama .....	429/99
D538,222	S *	3/2007	Curello et al. ....	D13/103	2008/0182162	A1 *	7/2008	Kim .....	429/99
D543,867	S	6/2007	Yourist		2008/0211309	A1 *	9/2008	Nolte .....	307/66
D545,759	S	7/2007	Ino et al.		2008/0305387	A1 *	12/2008	Murray et al. ....	429/100
D547,264	S *	7/2007	Kondo .....	D13/103	2009/0111015	A1 *	4/2009	Wood et al. ....	429/164
D548,684	S *	8/2007	Eto et al. ....	D13/103	2009/0148754	A1 *	6/2009	Marchio et al. ....	429/83
7,270,576	B2 *	9/2007	Kim et al. ....	439/627	2009/0207595	A1 *	8/2009	Sharrah et al. ....	362/158
7,278,753	B2	10/2007	Uke		2010/0017978	A1	1/2010	Cobabe et al.	
7,304,453	B2 *	12/2007	Eaves .....	320/120					
7,360,269	B2	4/2008	Cobabe et al.						
7,390,590	B2	6/2008	Wani et al.						
D576,100	S *	9/2008	Wang .....	D13/110					
D586,739	S *	2/2009	Zaremba et al. ....	D13/103					
D586,740	S *	2/2009	Song .....	D13/103					
D586,741	S *	2/2009	Song .....	D13/103					
7,510,537	B2	3/2009	Imboden et al.						
7,510,797	B2 *	3/2009	Aker et al. ....	429/120					
D597,936	S *	8/2009	Walsh et al. ....	D13/103					

## OTHER PUBLICATIONS

TechRepublic Photo Gallery blog, Author Unknown, titled "Boston-Power's 'Sonata' battery". Dated Jan. 30, 2007 (Part 2 of 2) (2 pages). ([http://techrepublic.com/2346-10877\\_11-42504-2.html](http://techrepublic.com/2346-10877_11-42504-2.html)).\*

Engadget.com article by Donald Melanson, Boston-Power unveils long-lasting "Sonata" laptop battery. Dated Jan. 30, 2007. (5 pages) (<http://www.engadget.com/2007/01/30/boston-power-unveils-long-lasting-sonata-laptop-battery/>).\*

\* cited by examiner



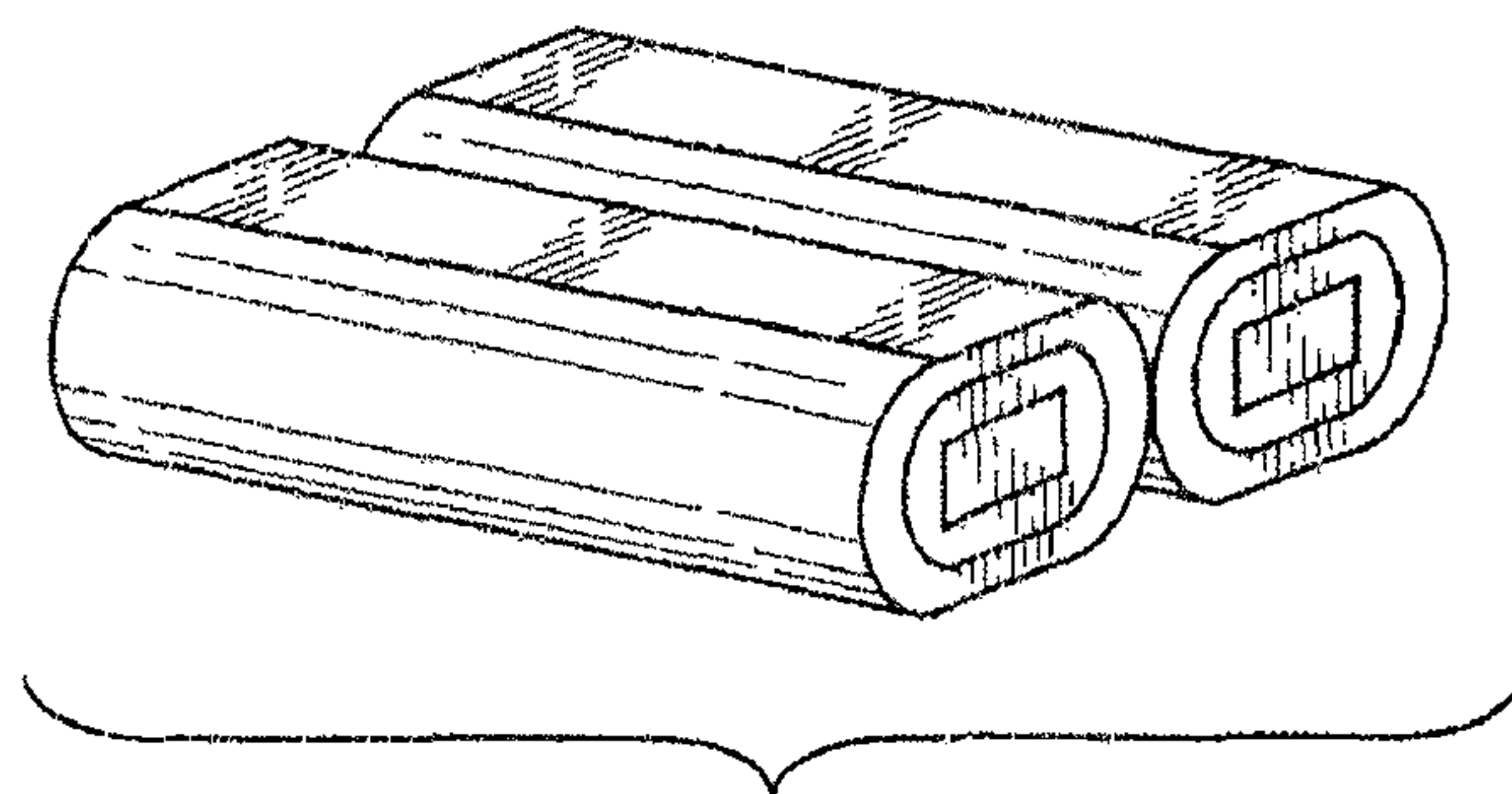


FIG. 1

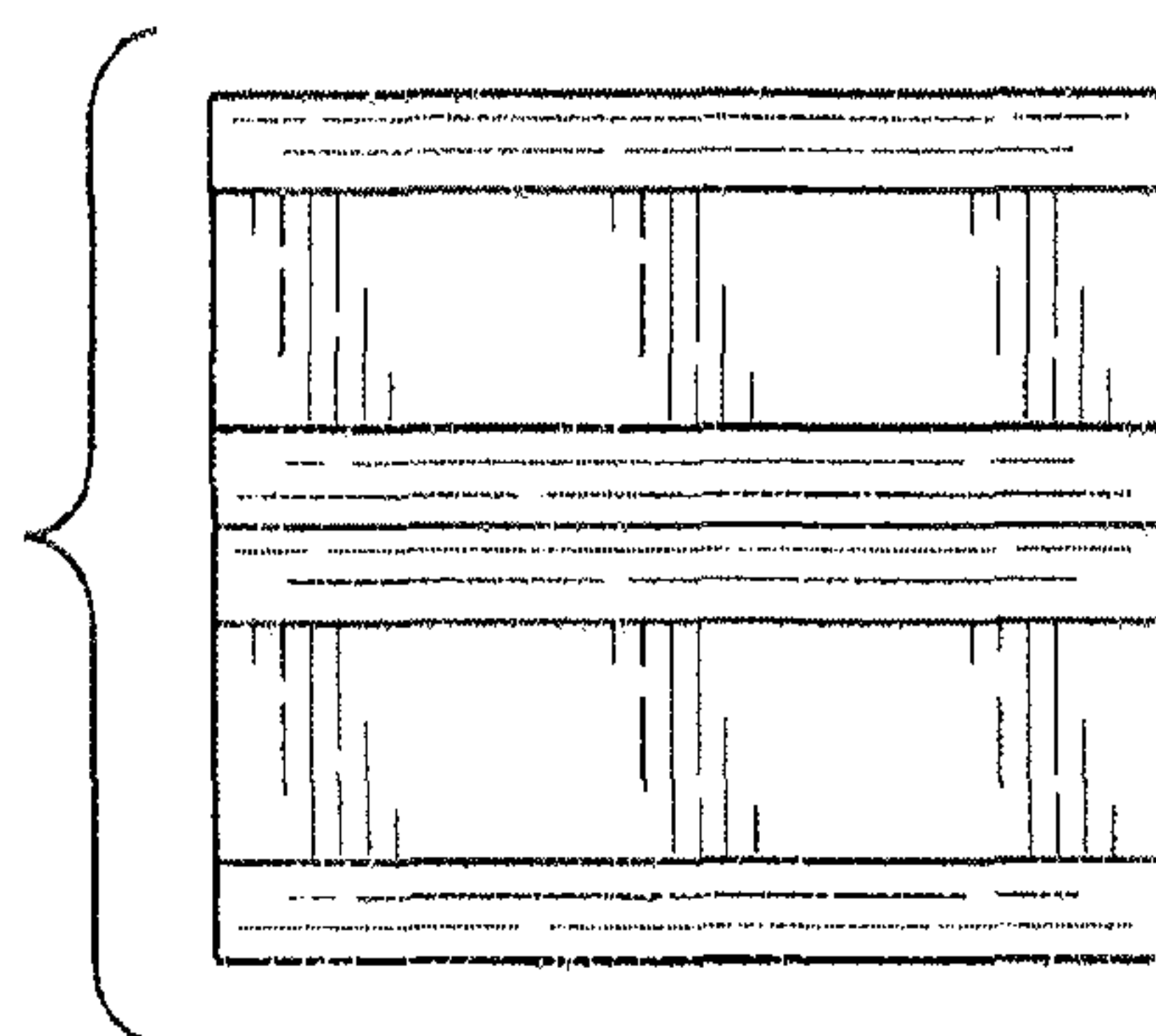


FIG. 2

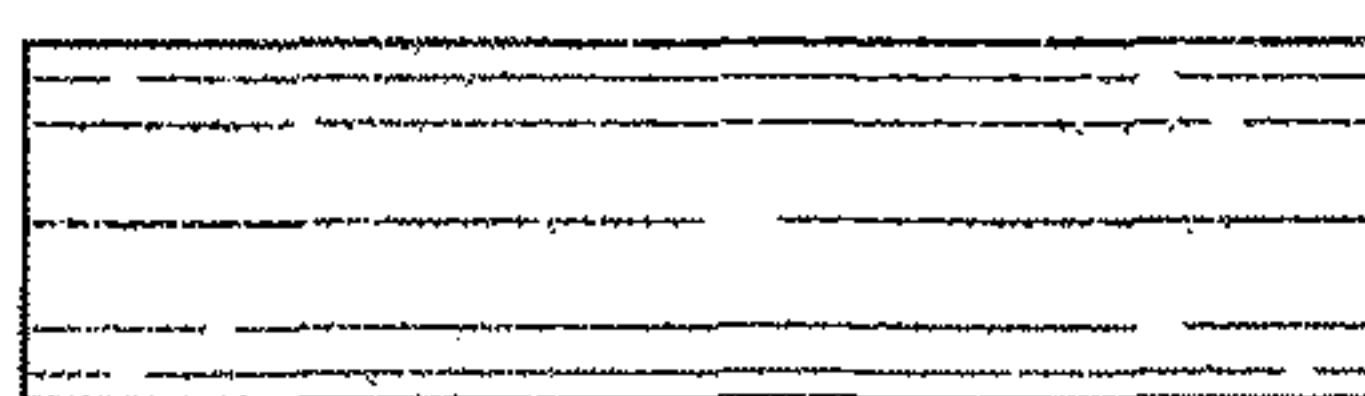


FIG. 3

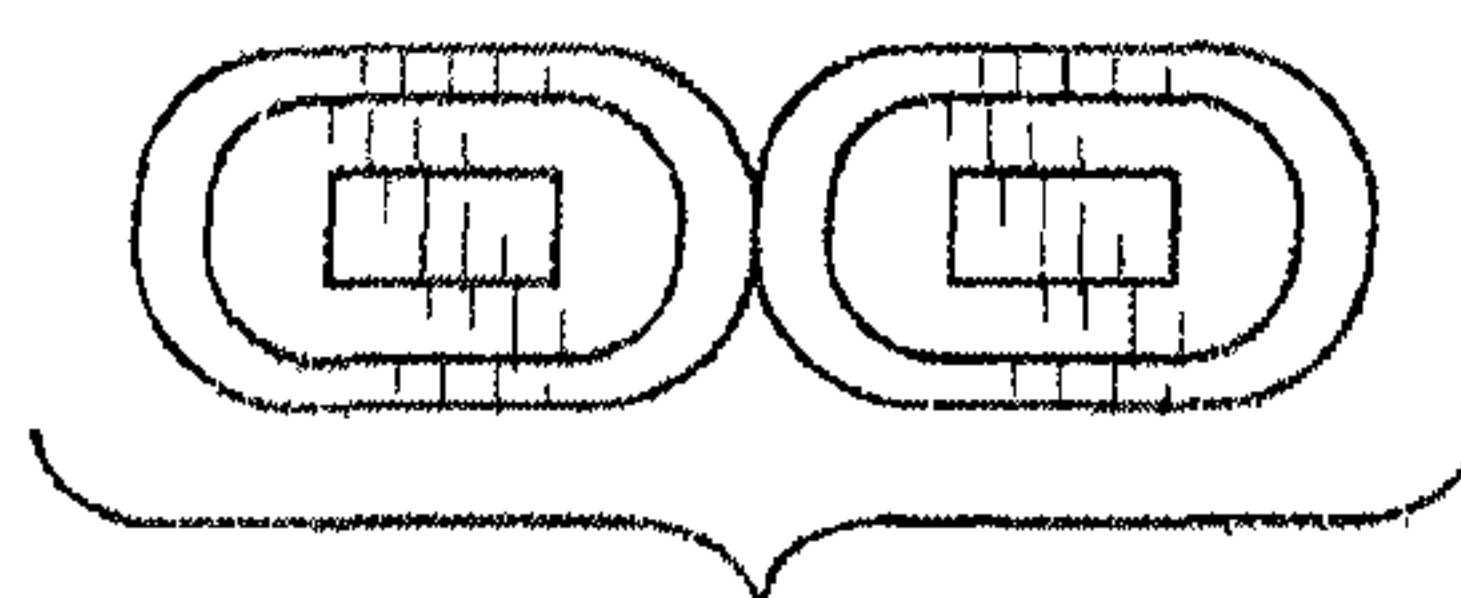


FIG. 4