



US00D631833S

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

(10) **Patent No.:** **US D631,833 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.: **29/312,313**

(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. | | |

(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).*

(Continued)

Primary Examiner—Rosemary K Tarcza

(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.

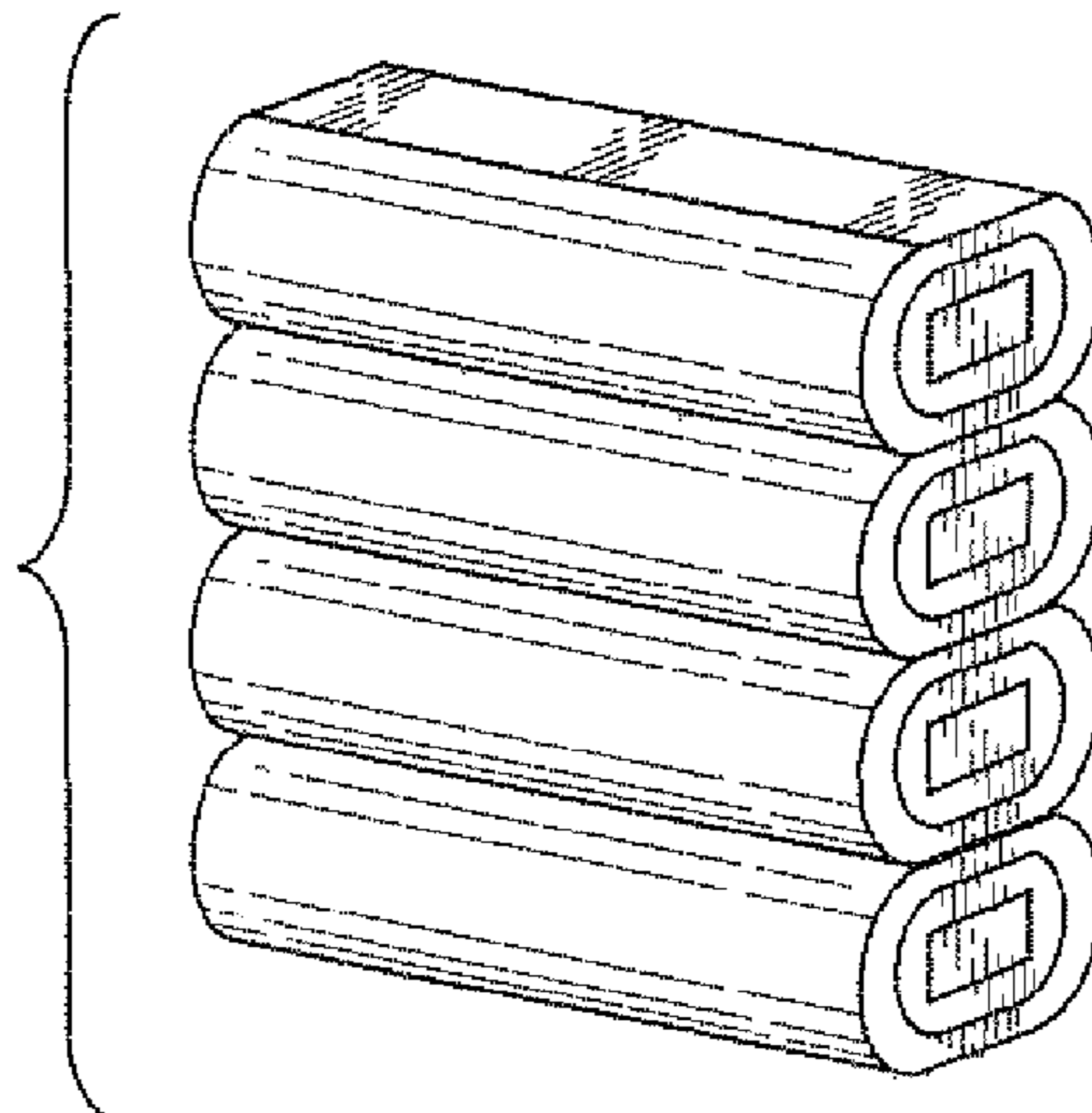
FIG. 2 is a top plan view of FIG. 1, with the bottom plan view being identical.

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.

The article is a battery pack. The battery pack is a combination of individual batteries arranged as shown. The claim is directed to the collective appearance of the individual batteries in the combination shown.

1 Claim, 1 Drawing Sheet



U.S. PATENT DOCUMENTS

| | | | | | | | | | |
|-----------|------|---------|-------------------|-----------|--------------|------|---------|------------------|-----------|
| 5,928,809 | A * | 7/1999 | Ju | 429/100 | 7,510,797 | B2 * | 3/2009 | Aker et al. | 429/120 |
| 5,958,618 | A * | 9/1999 | Sullivan | 429/99 | D597,936 | S * | 8/2009 | Walsh et al. | D13/103 |
| 5,962,159 | A * | 10/1999 | Satou et al. | 429/99 | 7,614,107 | B2 | 11/2009 | Cobabe et al. | |
| D424,513 | S * | 5/2000 | Birkestrand | D13/103 | 2002/0022159 | A1 * | 2/2002 | Pierson et al. | 429/1 |
| D424,933 | S * | 5/2000 | Albright et al. | D9/423 | 2003/0003350 | A1 * | 1/2003 | Heimer et al. | 429/99 |
| D425,417 | S * | 5/2000 | Gaffney et al. | D9/423 | 2003/0006733 | A1 | 1/2003 | Abe | |
| 6,120,932 | A * | 9/2000 | Slipy et al. | 429/99 | 2003/0044677 | A1 * | 3/2003 | Naruoka | 429/161 |
| 6,218,042 | B1 * | 4/2001 | Naudet et al. | 429/97 | 2003/0129487 | A1 * | 7/2003 | Inoue et al. | 429/176 |
| 6,224,997 | B1 * | 5/2001 | Papadopoulos | 429/99 | 2004/0155951 | A1 | 8/2004 | Tanaka | |
| D445,758 | S * | 7/2001 | Killebrew et al. | D13/103 | 2004/0191614 | A1 * | 9/2004 | Iwasaki et al. | 429/96 |
| 6,283,611 | B1 | 9/2001 | Sharrah et al. | | 2004/0219422 | A1 * | 11/2004 | Hauck et al. | 429/96 |
| 6,303,248 | B1 * | 10/2001 | Peterson | 429/177 | 2004/0241539 | A1 * | 12/2004 | Katayama | 429/97 |
| 6,334,697 | B1 | 1/2002 | Gappelberg et al. | | 2005/0058891 | A1 * | 3/2005 | Marraffa | 429/99 |
| D454,110 | S * | 3/2002 | Andre et al. | D13/110 | 2005/0122715 | A1 | 6/2005 | Furth et al. | |
| D457,133 | S * | 5/2002 | Yoneyama | D13/103 | 2005/0144744 | A1 | 7/2005 | Thiess et al. | |
| D461,163 | S * | 8/2002 | Hirano et al. | D13/103 | 2005/0150067 | A1 | 7/2005 | Cobabe et al. | |
| 6,433,498 | B1 | 8/2002 | Domei et al. | | 2005/0191544 | A1 * | 9/2005 | Casanova | 429/100 |
| 6,447,949 | B2 * | 9/2002 | Iwata et al. | 429/185 | 2006/0007721 | A1 * | 1/2006 | Rodriguez et al. | 363/146 |
| 6,558,835 | B1 * | 5/2003 | Kurisu et al. | 429/159 | 2006/0024566 | A1 * | 2/2006 | Plummer | 429/100 |
| 6,636,732 | B1 * | 10/2003 | Boling et al. | 455/404.1 | 2006/0034073 | A1 | 2/2006 | Uke | |
| D481,557 | S | 11/2003 | Harris | | 2006/0076923 | A1 * | 4/2006 | Eaves | 320/112 |
| D488,027 | S | 4/2004 | Lin | | 2006/0091849 | A1 * | 5/2006 | Huynh et al. | 320/112 |
| D491,888 | S * | 6/2004 | Lee | D13/103 | 2006/0119317 | A1 * | 6/2006 | Kogan et al. | 320/112 |
| D504,349 | S | 4/2005 | Shagalov | | 2006/0176689 | A1 * | 8/2006 | Dowdy et al. | 362/188 |
| 6,930,697 | B2 | 8/2005 | Tanaka | | 2006/0291198 | A1 * | 12/2006 | Dalton et al. | 362/191 |
| 6,942,359 | B2 | 9/2005 | Furth et al. | | 2007/0002559 | A1 * | 1/2007 | Uke | 362/157 |
| D510,721 | S | 10/2005 | Axelrod | | 2007/0019402 | A1 * | 1/2007 | Dalton et al. | 362/157 |
| 7,033,695 | B2 | 4/2006 | Sawachi | | 2007/0034258 | A1 | 2/2007 | Parsons et al. | |
| D524,728 | S | 7/2006 | Watson | | 2007/0126397 | A1 * | 6/2007 | Kogan et al. | 320/112 |
| D528,974 | S | 9/2006 | Tang | | 2007/0133197 | A1 * | 6/2007 | Shiau | 362/157 |
| 7,105,247 | B2 * | 9/2006 | Suzuki | 429/96 | 2007/0210745 | A1 * | 9/2007 | Dingeldein | 320/112 |
| D529,437 | S | 10/2006 | Miyashita | | 2007/0231680 | A1 | 10/2007 | Satoh et al. | |
| D529,709 | S | 10/2006 | Swartz et al. | | 2007/0264536 | A1 * | 11/2007 | Mizoguchi | 429/9 |
| D532,363 | S | 11/2006 | Morisawa | | 2008/0096521 | A1 * | 4/2008 | Boling et al. | 455/404.2 |
| D535,195 | S | 1/2007 | Schwab | | 2008/0124618 | A1 * | 5/2008 | Shimoyama | 429/99 |
| D537,034 | S * | 2/2007 | Kang et al. | D13/103 | 2008/0182162 | A1 * | 7/2008 | Kim | 429/99 |
| 7,176,655 | B2 * | 2/2007 | Kogan et al. | 320/112 | 2008/0211309 | A1 * | 9/2008 | Nolte | 307/66 |
| D538,222 | S * | 3/2007 | Curello et al. | D13/103 | 2008/0305387 | A1 * | 12/2008 | Murray et al. | 429/100 |
| D543,867 | S | 6/2007 | Yourist | | 2009/0111015 | A1 * | 4/2009 | Wood et al. | 429/164 |
| D545,759 | S | 7/2007 | Ino et al. | | 2009/0148754 | A1 * | 6/2009 | Marchio et al. | 429/83 |
| D547,264 | S * | 7/2007 | Kondo | D13/103 | 2009/0207595 | A1 * | 8/2009 | Sharrah et al. | 362/158 |
| D548,684 | S * | 8/2007 | Eto et al. | D13/103 | 2010/0017978 | A1 | 1/2010 | Cobabe et al. | |
| 7,270,576 | B2 * | 9/2007 | Kim et al. | 439/627 | | | | | |
| 7,278,753 | B2 | 10/2007 | Uke | | | | | | |
| 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. | | | | | | |

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).*

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

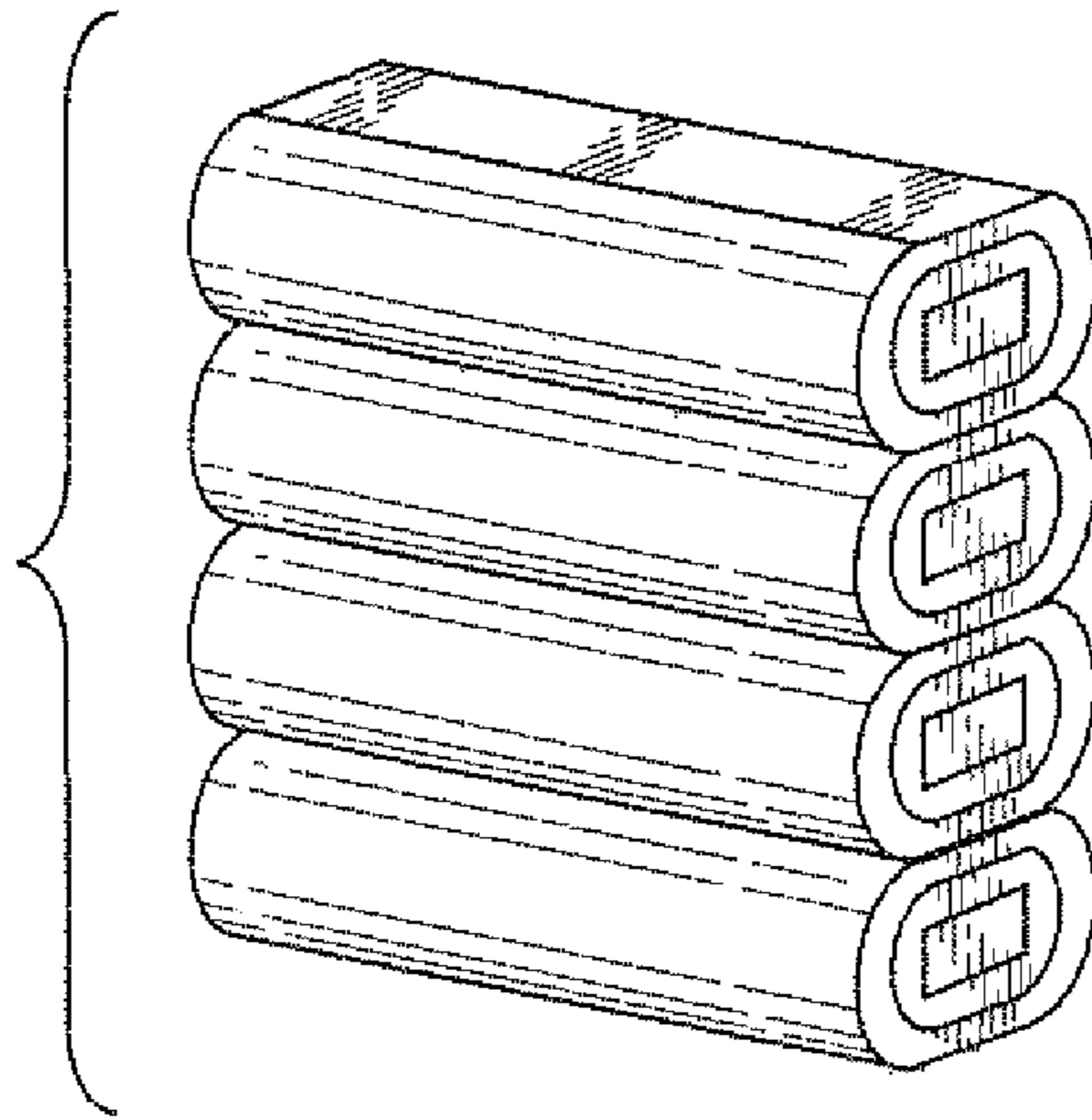


FIG. 1

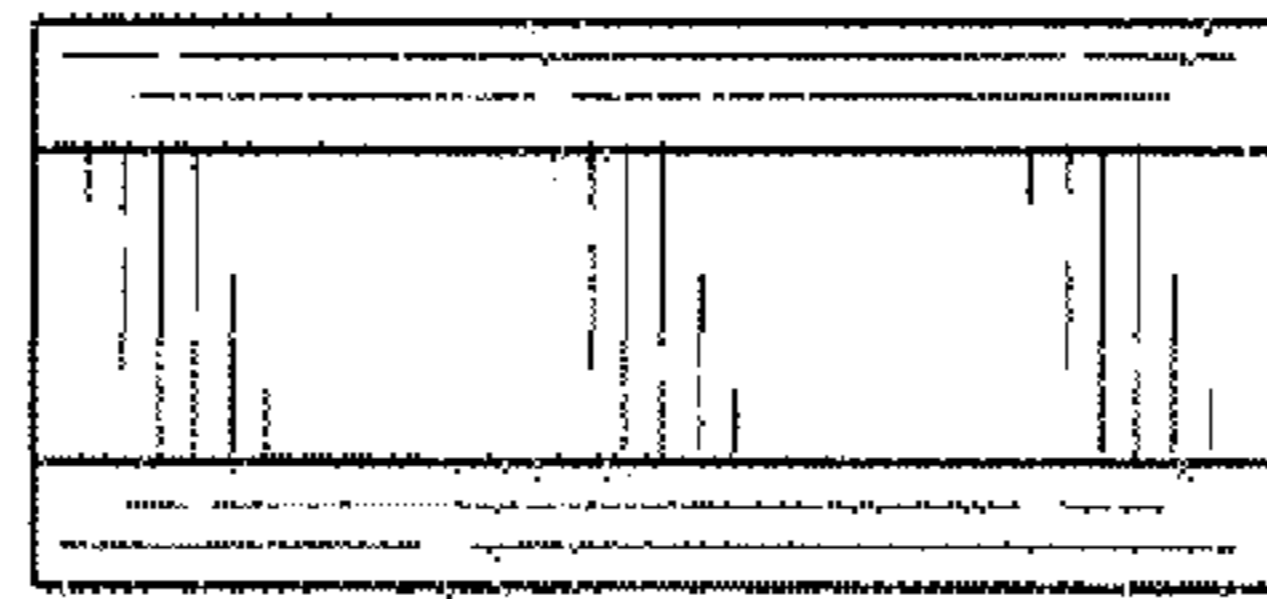


FIG. 2

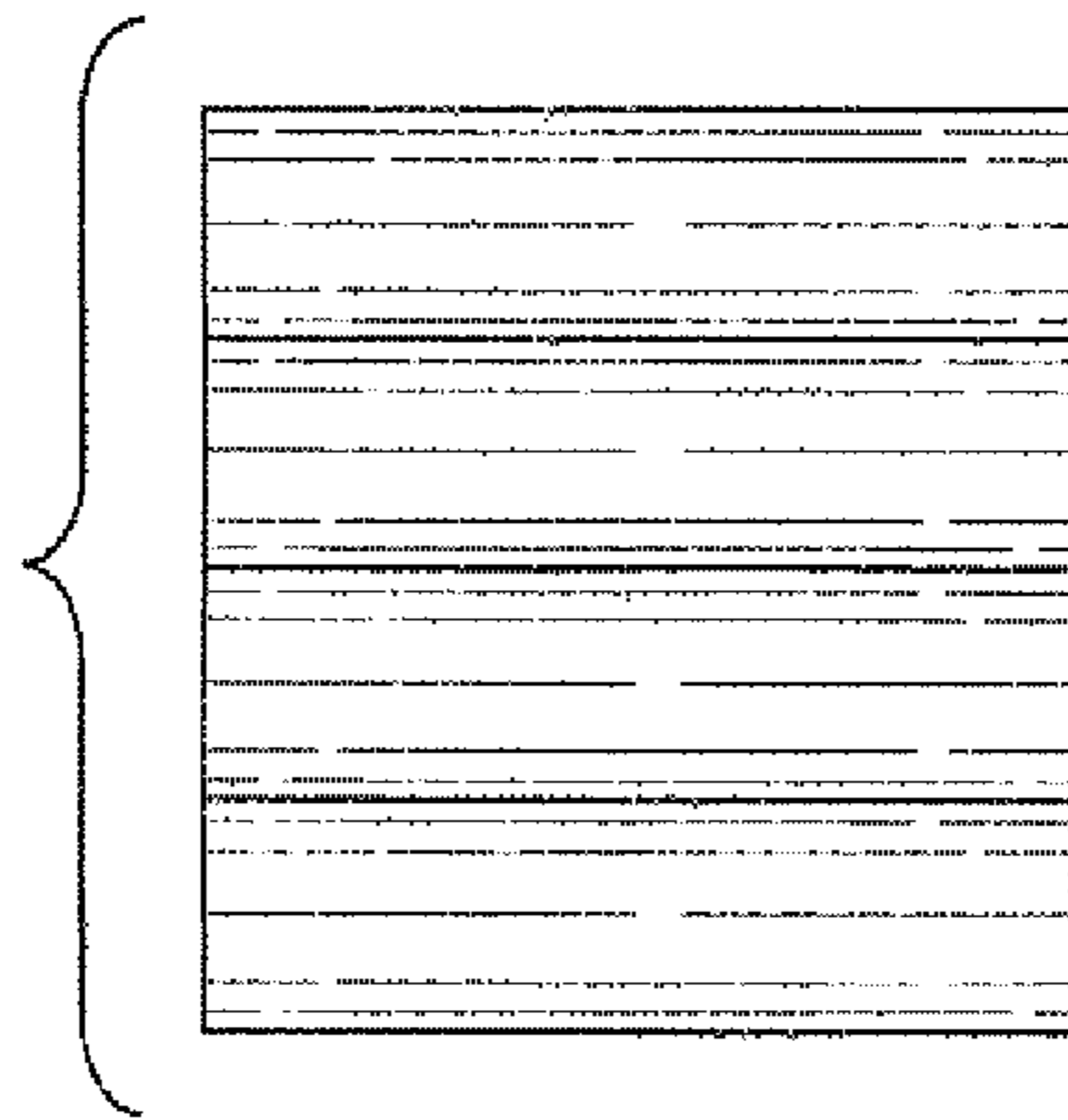


FIG. 3

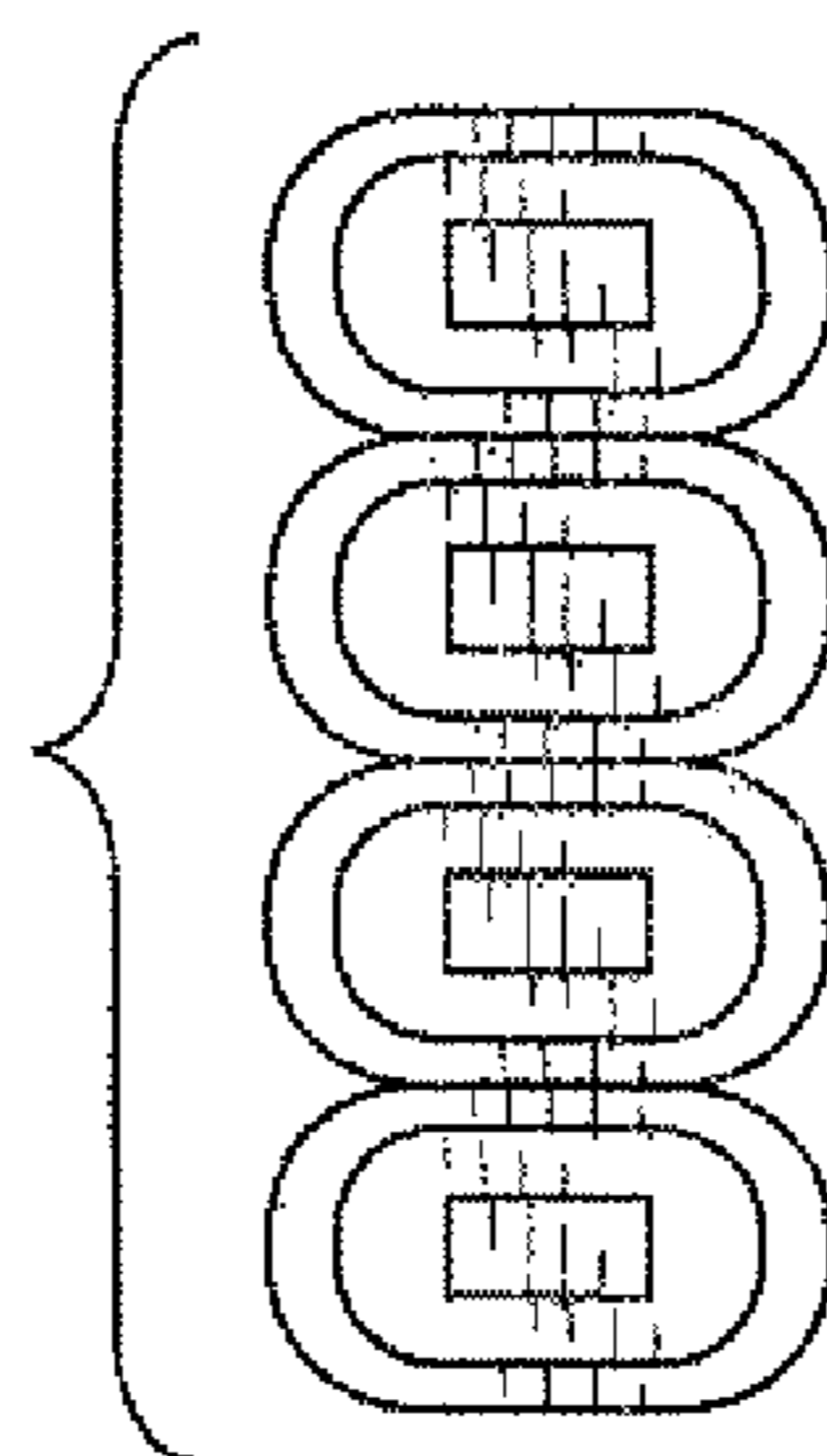


FIG. 4