



US00D649692S

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

(10) **Patent No.:** **US D649,692 S**

(45) **Date of Patent:** **\*\* Nov. 29, 2011**

(54) **EXTRUSION FOR LED-BASED LIGHTING APPARATUS**

(75) Inventor: **Slawomir Trzesniowski**, Cremorne (PL)

(73) Assignee: **LEDs ON**, Warsaw (PL)

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

(21) Appl. No.: **29/394,624**

(22) Filed: **Jun. 20, 2011**

(30) **Foreign Application Priority Data**

Jan. 4, 2011 (EM) ..... 001800889-0014

(51) **LOC (9) Cl.** ..... **26-99**

(52) **U.S. Cl.** ..... **D26/138**

(58) **Field of Classification Search** ..... D26/46,  
D26/72, 76, 79, 113, 118, 119, 120, 121,  
D26/125, 128, 138, 140, 141, 142, 144, 145,  
D26/152, 155; 362/218, 373, 225, 240, 241,  
362/230, 146, 600, 606, 632, 151, 217, 219,  
362/659, 258, 270, 279, 280, 292; D8/300,  
D8/314, 323, 369, 376, 377, 394; D15/135,  
D15/136, 144; D6/300, 491, 495, 500, 511,  
D6/580; D13/110, 155, 179, 180; D34/29,  
D34/35, 38; D25/38, 47, 60, 69, 113, 119,  
D25/120, 121, 122, 123, 124, 125, 136, 138,  
D25/164; 52/177, 235; 174/37, 95, 101

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D47,729 S \* 8/1915 Heulings, Jr. .... D25/119  
D110,622 S \* 7/1938 Lowry ..... D25/119  
D141,049 S \* 5/1945 Ketchum, Jr. .... D25/119  
D185,549 S \* 6/1959 Hallock ..... D25/119  
D191,162 S \* 8/1961 Miller ..... D25/119  
D191,906 S \* 12/1961 Jaffa ..... D25/125

D199,024 S \* 9/1964 Huret ..... D25/123  
D201,986 S \* 8/1965 Wince ..... D26/122  
3,605,137 A \* 9/1971 Stollenwerk ..... 5/625  
D228,453 S \* 9/1973 Greer ..... D25/119  
D231,326 S \* 4/1974 Miki ..... D8/377  
D232,910 S \* 9/1974 Duperrex ..... D8/377  
D238,510 S \* 1/1976 Tabler ..... D34/29  
D243,675 S \* 3/1977 Dallaire ..... D25/124  
D243,685 S \* 3/1977 Dallaire ..... D25/124  
D245,756 S \* 9/1977 McKee ..... D8/376  
D249,366 S \* 9/1978 Jury ..... D25/124  
D251,444 S \* 3/1979 Bancroft et al. .... D25/125  
D251,445 S \* 3/1979 Bancroft et al. .... D25/119  
D251,446 S \* 3/1979 Bancroft et al. .... D25/125  
D251,451 S \* 3/1979 Toder ..... D25/121  
D252,471 S \* 7/1979 Broadbent ..... D25/119  
4,166,195 A \* 8/1979 Schwab ..... 174/95  
D258,538 S \* 3/1981 Cribben et al. .... D25/125  
D258,619 S \* 3/1981 Dallaire ..... D25/119  
D265,035 S \* 6/1982 Fether et al. .... D8/403  
D269,910 S \* 7/1983 Johansson ..... D25/124  
D283,446 S \* 4/1986 Burkinshaw ..... D25/125

(Continued)

*Primary Examiner* — Kevin Rudzinski

(74) *Attorney, Agent, or Firm* — Zane Coleman

(57) **CLAIM**

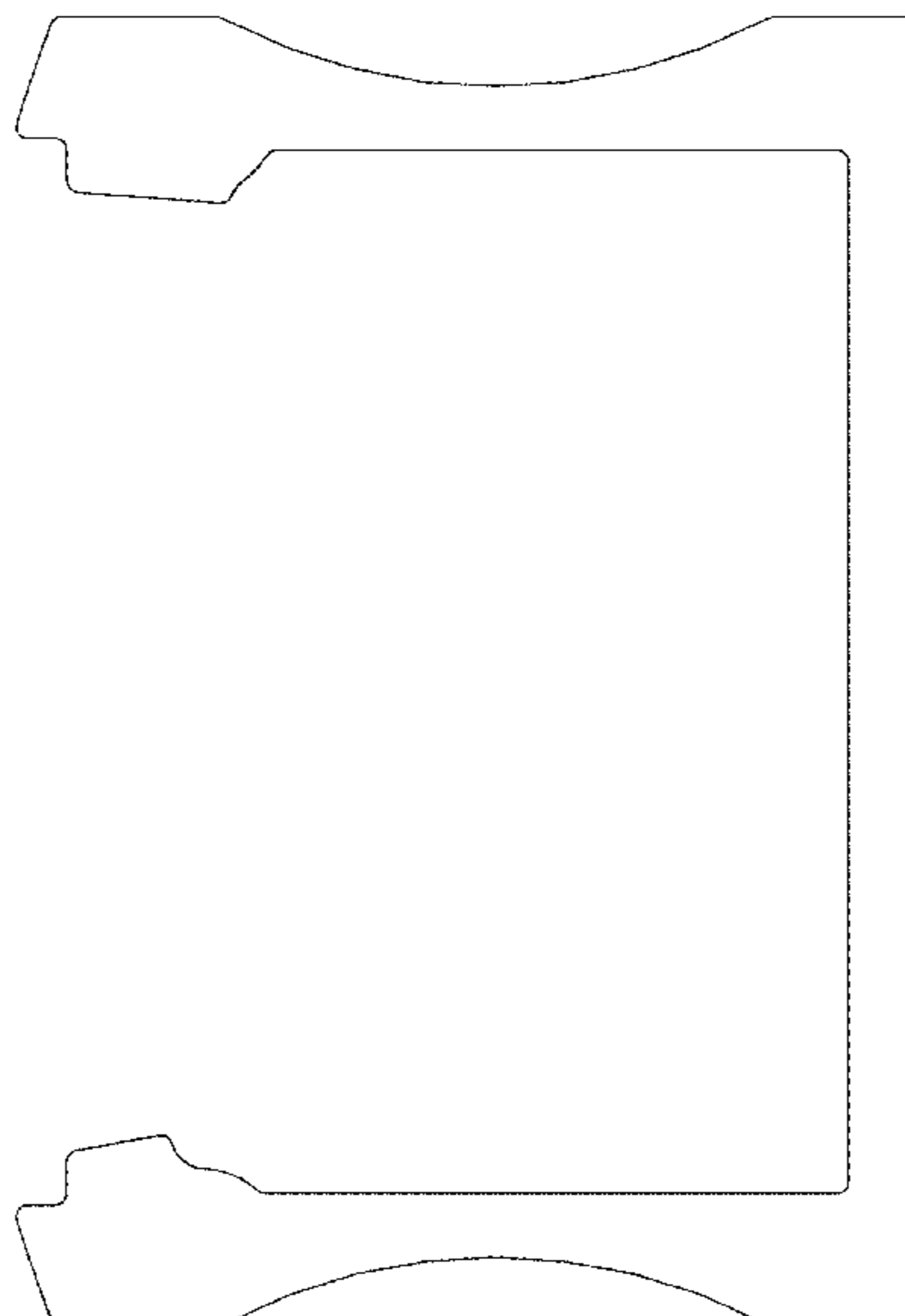
The ornamental design for an extrusion for LED-based lighting apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a right side elevation view of an extrusion for LED-based lighting apparatus showing my new and original design; the left side elevation view being a mirror image thereof; and,

FIG. 2 is front right side perspective view of the extrusion of FIG. 1 shown broken away to indicate non-specified length. The broken lines and bracket shown in FIG. 2, used to indicate that the extrusion has a non-specified length, form no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



# US D649,692 S

## U.S. PATENT DOCUMENTS

|                |         |                        |            |                   |         |                       |            |
|----------------|---------|------------------------|------------|-------------------|---------|-----------------------|------------|
| D286,194 S *   | 10/1986 | Bancroft .....         | D25/125    | D489,463 S *      | 5/2004  | Barnett .....         | D25/119    |
| D290,404 S *   | 6/1987  | Stoler .....           | D25/119    | D489,830 S *      | 5/2004  | Barnett .....         | D25/119    |
| D291,009 S *   | 7/1987  | Weilow .....           | D25/120    | D497,758 S *      | 11/2004 | Goldberg .....        | D6/580     |
| D294,867 S *   | 3/1988  | Meshulam .....         | D25/119    | D503,485 S *      | 3/2005  | Willman et al. ....   | D25/124    |
| D299,273 S *   | 1/1989  | Pittman, Jr. ....      | D25/119    | D509,594 S *      | 9/2005  | Curtas et al. ....    | D25/38     |
| D301,304 S *   | 5/1989  | Will .....             | D8/373     | 7,034,227 B2 *    | 4/2006  | Fox .....             | 174/95     |
| D310,775 S *   | 9/1990  | Ruonala .....          | D8/377     | D522,297 S *      | 6/2006  | Miller et al. ....    | D6/580     |
| D317,513 S *   | 6/1991  | Miller et al. ....     | D26/140    | D534,790 S *      | 1/2007  | Garda .....           | D8/377     |
| 5,040,347 A *  | 8/1991  | Valvis .....           | 52/204.591 | D546,104 S *      | 7/2007  | Miller et al. ....    | D6/580     |
| D320,902 S *   | 10/1991 | Leist .....            | D6/491     | D551,774 S *      | 9/2007  | McGinness .....       | D25/38     |
| D325,095 S *   | 3/1992  | Dallaire et al. ....   | D25/124    | D552,259 S *      | 10/2007 | Allsopp .....         | D25/119    |
| D326,140 S *   | 5/1992  | Dekel .....            | D23/267    | D554,422 S *      | 11/2007 | Lin .....             | D6/580     |
| D326,724 S *   | 6/1992  | Boer .....             | D25/119    | D557,429 S *      | 12/2007 | Bullock, Jr. ....     | D25/119    |
| D328,139 S *   | 7/1992  | Boer .....             | D25/119    | D557,825 S *      | 12/2007 | Willman .....         | D25/124    |
| D329,707 S *   | 9/1992  | Embree et al. ....     | D25/119    | 7,303,310 B2 *    | 12/2007 | You et al. ....       | 362/240    |
| D335,353 S *   | 5/1993  | Baker .....            | D25/38     | D560,822 S *      | 1/2008  | Flehsig .....         | D25/121    |
| D337,257 S *   | 7/1993  | Danieli .....          | D8/376     | 7,331,689 B2 *    | 2/2008  | Chen .....            | 362/240    |
| D342,579 S *   | 12/1993 | Mason .....            | D25/119    | 7,347,606 B1 *    | 3/2008  | Patten .....          | 362/565    |
| D344,595 S *   | 2/1994  | Ehmke et al. ....      | D25/119    | D574,509 S *      | 8/2008  | Koch .....            | D25/38     |
| D345,268 S *   | 3/1994  | Pate .....             | D6/511     | D577,857 S *      | 9/2008  | Tress et al. ....     | D26/141    |
| D348,940 S *   | 7/1994  | Clark et al. ....      | D25/124    | D578,248 S *      | 10/2008 | Lee et al. ....       | D26/138    |
| D353,467 S *   | 12/1994 | Raynes .....           | D25/38     | D578,705 S *      | 10/2008 | Aberg et al. ....     | D26/138    |
| D356,645 S *   | 3/1995  | Boer .....             | D25/119    | D582,602 S *      | 12/2008 | Maxik et al. ....     | D26/118    |
| 5,430,627 A *  | 7/1995  | Nagano .....           | 362/146    | D587,731 S *      | 3/2009  | Niedermeyer .....     | D15/136    |
| 5,499,170 A *  | 3/1996  | Gagne .....            | 362/84     | D595,078 S *      | 6/2009  | Kollman et al. ....   | D6/580     |
| D373,963 S *   | 9/1996  | Nagai et al. ....      | D10/94     | D595,984 S *      | 7/2009  | Kollman et al. ....   | D6/580     |
| D375,324 S *   | 11/1996 | Grass .....            | D20/11     | D598,574 S *      | 8/2009  | Bergmann .....        | D25/122    |
| D378,432 S *   | 3/1997  | Raynes .....           | D25/164    | D599,387 S *      | 9/2009  | Chuo et al. ....      | D15/143    |
| D379,237 S *   | 5/1997  | Leonelli .....         | D25/119    | D600,401 S *      | 9/2009  | Varrin .....          | D26/138    |
| D379,524 S *   | 5/1997  | Leonelli .....         | D25/119    | D600,484 S *      | 9/2009  | Anderson et al. ....  | D6/580     |
| D379,535 S *   | 5/1997  | Dallaire et al. ....   | D25/125    | D602,346 S *      | 10/2009 | Allsopp .....         | D8/369     |
| D381,088 S *   | 7/1997  | DiGiorgio .....        | D25/124    | D606,793 S *      | 12/2009 | Allsopp .....         | D6/580     |
| D384,471 S *   | 9/1997  | Kubsik et al. ....     | D34/29     | 7,654,703 B2 *    | 2/2010  | Kan et al. ....       | 362/362    |
| D389,460 S *   | 1/1998  | Wei-Hong .....         | D13/155    | D611,169 S *      | 3/2010  | Harder .....          | D25/122    |
| D393,083 S *   | 3/1998  | Caltrider .....        | D25/199    | D616,035 S *      | 5/2010  | Kosir et al. ....     | D20/44     |
| 5,724,909 A *  | 3/1998  | Pitman et al. ....     | 116/202    | D616,946 S *      | 6/2010  | Garfinkle et al. .... | D20/43     |
| D397,231 S *   | 8/1998  | Saxer .....            | D25/119    | D621,090 S *      | 8/2010  | Klu .....             | D26/138    |
| D417,607 S *   | 12/1999 | Vining .....           | D8/373     | D621,961 S *      | 8/2010  | Gardner .....         | D25/119    |
| 6,074,074 A *  | 6/2000  | Marcus .....           | 362/240    | 7,766,505 B2 *    | 8/2010  | Tseng et al. ....     | 362/217.17 |
| 6,107,576 A *  | 8/2000  | Morton et al. ....     | 174/101    | D623,342 S *      | 9/2010  | Klu .....             | D26/138    |
| D432,672 S *   | 10/2000 | Grosfillex .....       | D25/124    | D623,343 S *      | 9/2010  | Klu .....             | D26/138    |
| D437,944 S *   | 2/2001  | Neuhofer, Jr. ....     | D25/199    | D625,463 S *      | 10/2010 | Klu .....             | D26/138    |
| D441,879 S *   | 5/2001  | Habeck et al. ....     | D25/124    | D625,588 S *      | 10/2010 | Norris et al. ....    | D8/382     |
| D443,198 S *   | 6/2001  | Snyder .....           | D8/354     | D626,839 S *      | 11/2010 | Gross et al. ....     | D9/456     |
| D445,211 S *   | 7/2001  | Baker .....            | D26/76     | 7,857,482 B2 *    | 12/2010 | Reo et al. ....       | 362/225    |
| 6,276,634 B1 * | 8/2001  | Bodle .....            | 244/118.5  | D631,171 S *      | 1/2011  | Konrad .....          | D25/49     |
| 6,302,560 B1 * | 10/2001 | Lai .....              | 362/235    | D634,063 S *      | 3/2011  | Peifer .....          | D26/138    |
| D450,234 S *   | 11/2001 | Bosgoed .....          | D8/377     | D634,876 S *      | 3/2011  | McGrath et al. ....   | D26/79     |
| D453,971 S *   | 2/2002  | Baker .....            | D25/124    | D639,098 S *      | 6/2011  | Bosgoed .....         | D6/580     |
| 6,361,186 B1 * | 3/2002  | Slayden .....          | 362/241    | D641,144 S *      | 6/2011  | Schaefer et al. ....  | D8/354     |
| D455,634 S *   | 4/2002  | Hummel et al. ....     | D8/314     | D641,101 S *      | 7/2011  | Radchenko et al. .... | D26/138    |
| 6,385,047 B1 * | 5/2002  | McCullough et al. .... | 361/704    | D641,923 S *      | 7/2011  | Radchenko et al. .... | D26/138    |
| D471,994 S *   | 3/2003  | Chaney et al. ....     | D25/124    | 2003/0163967 A1 * | 9/2003  | Sims .....            | 52/586.2   |
| 6,554,446 B1 * | 4/2003  | Walsh et al. ....      | 362/146    | 2004/0076004 A1 * | 4/2004  | Smith, Jr. ....       | 362/237    |
| D482,405 S *   | 11/2003 | McIlvaine .....        | D20/43     | 2006/0191101 A1 * | 8/2006  | Elmer .....           | 16/91      |
| D483,443 S *   | 12/2003 | Forsberg .....         | D23/267    | 2008/0030981 A1 * | 2/2008  | Mrakovich et al. .... | 362/219    |
| 6,659,623 B2 * | 12/2003 | Friend .....           | 362/249.06 | 2009/0207602 A1 * | 8/2009  | Reed et al. ....      | 362/225    |
| D486,340 S *   | 2/2004  | Sudano .....           | D6/577     | 2009/0219713 A1 * | 9/2009  | Siemiet et al. ....   | 362/218    |

\* cited by examiner

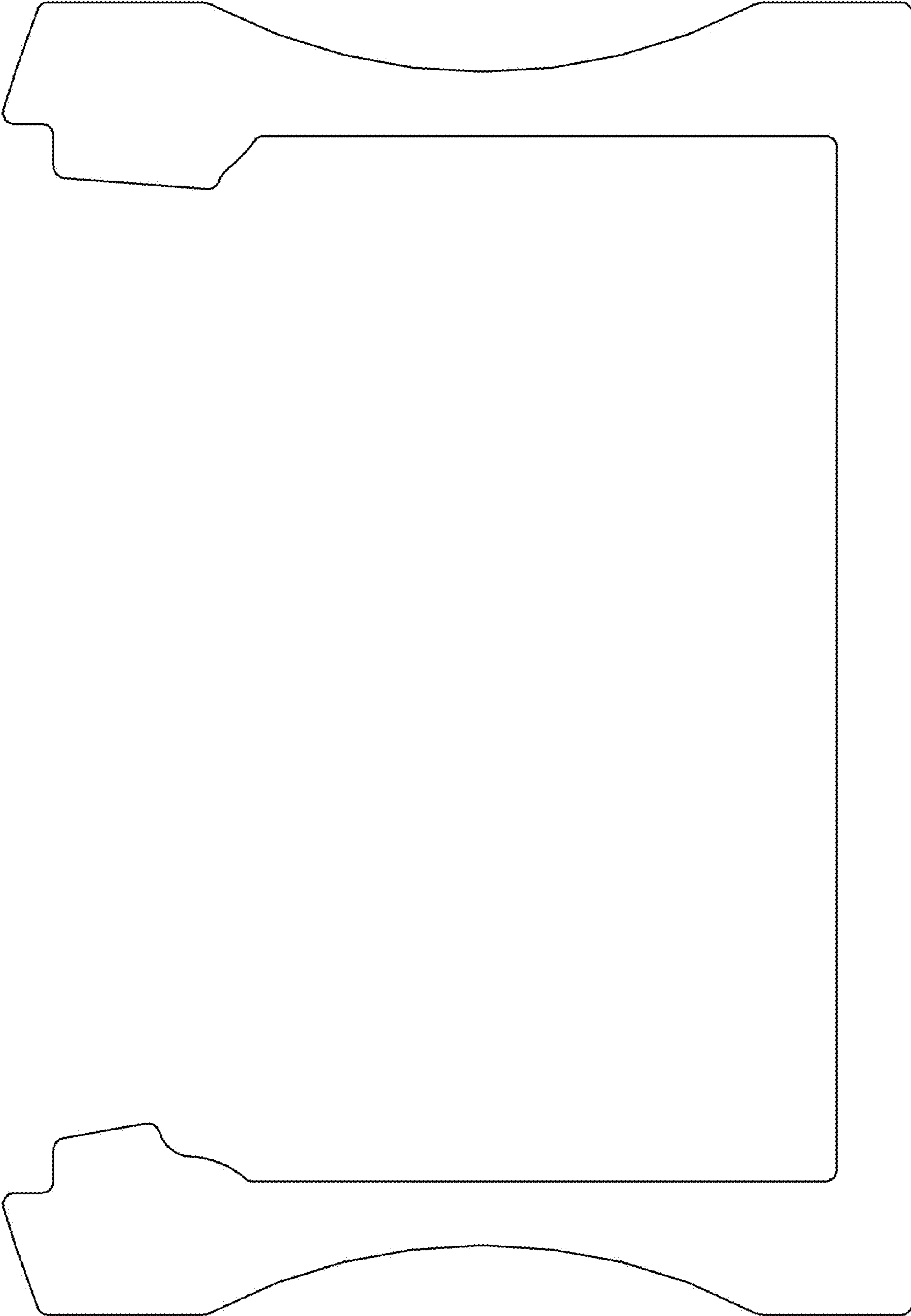


FIG. 1

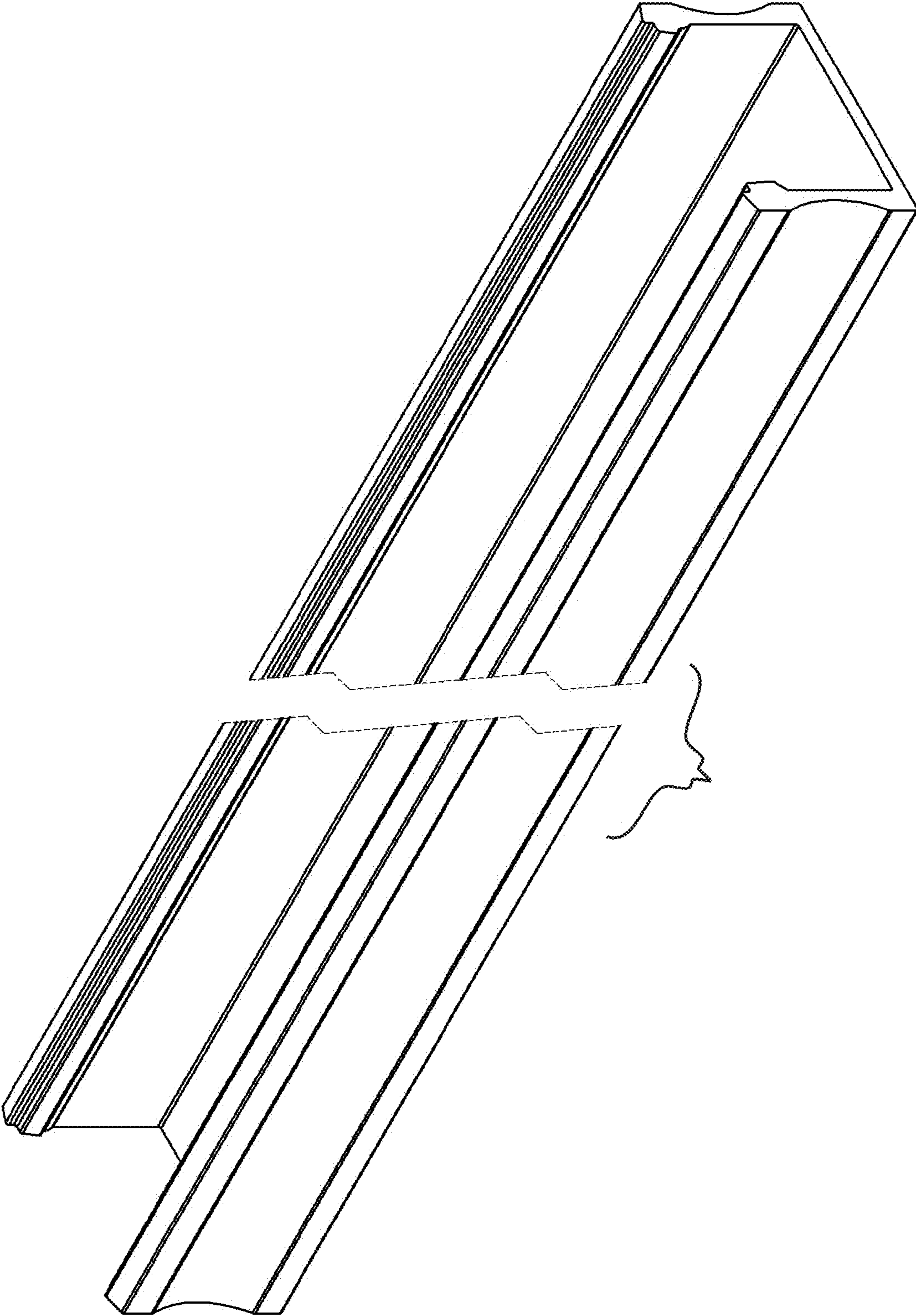


FIG. 2