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(12) **United States Design Patent** (10) **Patent No.:** **US D987,585 S**
Dixon (45) **Date of Patent:** **** May 30, 2023**

(54) **CROSS BAR FOR POWDER COATING AND ELECTRONIC COATING**

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(73) Assignee: **Production Plus Corp.**, Ashville, OH (US)

(**) Term: **15 Years**

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Related U.S. Application Data

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(51) **LOC (14) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/146**

(58) **Field of Classification Search**
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D13/137.1-139.8, 110, 159, 184, 199
CPC C25D 13/22; B21D 5/00; B21D 28/24;
B21D 53/00; B21D 22/04; B05B 5/025;
B05B 5/082; B05C 3/10
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | |
|-------------|--------|------------|
| 258,214 A | 5/1882 | Brinckmann |
| 811,375 A | 1/1906 | Clark |
| 1,095,006 A | 4/1914 | Lowe |
| 1,184,246 A | 5/1916 | Klein |
| 1,533,805 A | 4/1925 | Oliver |

| | | |
|-------------|---------|---------------|
| 1,590,698 A | 6/1926 | Ray |
| 1,661,303 A | 3/1928 | Price |
| 1,750,807 A | 3/1930 | Lichtman |
| 2,137,819 A | 11/1938 | Wagner |
| 2,196,663 A | 4/1940 | Isele |
| 2,258,391 A | 10/1941 | Novitsky |
| 2,346,386 A | 4/1944 | Nankervis |
| 2,462,431 A | 2/1949 | Schneider |
| 2,505,212 A | 4/1950 | Schneider |
| 2,512,554 A | 6/1950 | Schneider |
| 2,514,923 A | 7/1950 | Batina |
| 2,533,464 A | 12/1950 | Jasper |
| 2,557,231 A | 6/1951 | Miller |
| 2,652,359 A | 9/1953 | Schneider |
| 2,734,859 A | 2/1956 | Reilly et al. |
| 2,858,265 A | 10/1958 | Schneider |
| 2,858,266 A | 10/1958 | Schneider |

(Continued)

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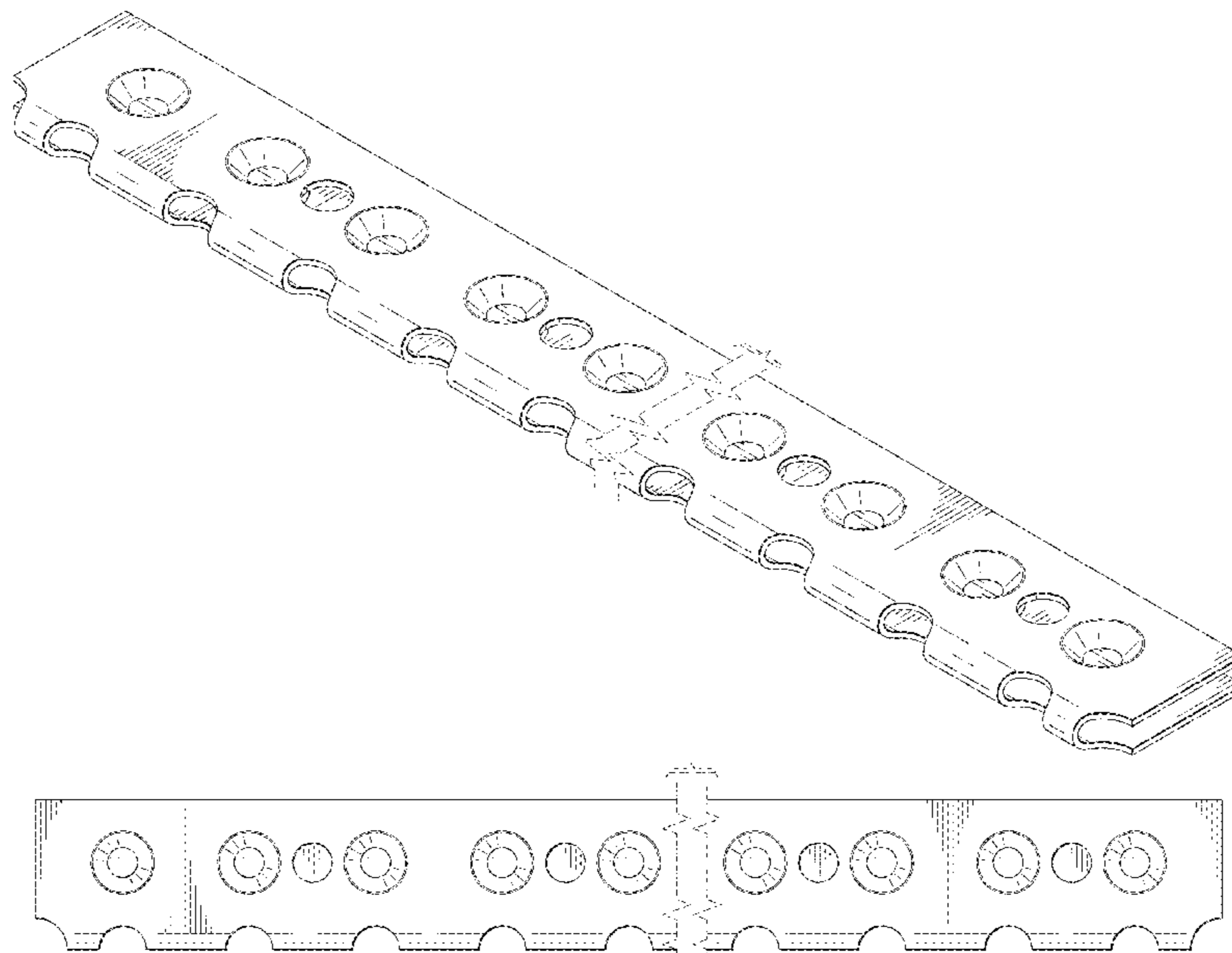
(57) **CLAIM**

The ornamental design for a cross bar for powder coating and electronic coating, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a cross bar for powder coating and electronic coating;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a right-side plan view thereof;
FIG. 5 is a left-side plan view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof; and,
FIG. 8 is a rear perspective view thereof.
The brackets and break lines in the drawing views indicate that the appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|--------------|---------|---------------------|-------------------|---------|---------------------------|
| 2,911,347 A | 11/1959 | Gutzmer | 6,550,623 B2 | 4/2003 | Cook et al. |
| 2,954,222 A | 9/1960 | Evans | 6,571,968 B1 | 6/2003 | Cullen |
| 3,029,952 A | 4/1962 | Bagdon et al. | 6,588,605 B1 | 7/2003 | Volkert et al. |
| 3,095,665 A | 7/1963 | Killen | 6,607,600 B2 | 8/2003 | DeWent |
| 3,118,545 A | 1/1964 | Rosner | D486,008 S | 2/2004 | Pospisil et al. |
| 3,272,733 A | 9/1966 | Linguist | 6,702,130 B1 | 3/2004 | Carlisle |
| 3,279,428 A | 10/1966 | Schad | 6,790,484 B2 | 9/2004 | Mann |
| 3,290,238 A | 12/1966 | Wierwille | 6,969,036 B2 | 11/2005 | Magnusson |
| 3,357,913 A | 12/1967 | Zavarella | 7,021,476 B2 | 4/2006 | Lloyd et al. |
| 3,429,786 A | 2/1969 | Kubik | 7,322,310 B2 | 1/2008 | McKay |
| 3,484,361 A | 12/1969 | Sperry | D566,405 S | 4/2008 | Belokin |
| 3,642,147 A | 2/1972 | Voorhies | D578,066 S * | 10/2008 | So D13/133 |
| 3,696,939 A | 10/1972 | Drowatzky | D591,085 S | 4/2009 | Burns |
| 3,715,097 A | 2/1973 | Kalajian | 7,748,544 B1 | 7/2010 | Davitz |
| 3,785,952 A | 1/1974 | Ritzenhoff | D623,015 S | 9/2010 | D'Amato et al. |
| 3,799,488 A | 3/1974 | Sena | D625,055 S | 10/2010 | Oliver |
| 3,901,788 A | 8/1975 | Schaer | D625,120 S | 10/2010 | Wisniewski |
| D238,029 S | 12/1975 | Howard et al. | 7,878,338 B2 | 2/2011 | Maxson |
| 3,923,631 A | 12/1975 | Palisin, Jr. | 8,066,267 B2 | 11/2011 | Schaerer |
| 3,972,785 A | 8/1976 | Palisin, Jr. | D661,526 S | 6/2012 | Evans |
| 4,037,727 A | 7/1977 | Kunkle | 8,215,502 B1 | 7/2012 | Beavers |
| 4,097,359 A | 6/1978 | Davitz | 8,221,601 B2 | 7/2012 | Chen |
| 4,129,217 A | 12/1978 | Campbell | D680,773 S | 4/2013 | Tebbe et al. |
| 4,134,614 A | 1/1979 | Fielding, Sr. | 8,646,625 B2 | 2/2014 | Wang |
| 4,217,853 A | 8/1980 | Davitz | 8,956,514 B2 | 2/2015 | Hocevar et al. |
| 4,243,146 A | 1/1981 | Davitz | D727,631 S | 4/2015 | Irvin |
| 4,424,908 A | 1/1984 | Davitz | D731,421 S * | 6/2015 | Luque, Jr. D13/110 |
| 4,447,049 A | 5/1984 | Rudy | D734,951 S | 7/2015 | Levin et al. |
| 4,558,522 A | 12/1985 | Lance | D735,412 S | 7/2015 | Coleman |
| 4,628,859 A | 12/1986 | Hines | D737,077 S | 8/2015 | Cockayne et al. |
| 4,679,526 A | 7/1987 | Dziedzie | D743,898 S * | 11/2015 | Murphy D13/147 |
| 4,862,963 A | 9/1989 | Gregory | D743,902 S * | 11/2015 | Murphy D13/147 |
| 4,872,936 A | 10/1989 | Engelbrecht | D743,912 S * | 11/2015 | Murphy D13/154 |
| 4,872,963 A | 10/1989 | Van Horn | D745,794 S | 12/2015 | Knoll et al. |
| 4,880,194 A | 11/1989 | Geise et al. | D760,655 S * | 7/2016 | Murphy D13/154 |
| 4,899,966 A | 2/1990 | Antos et al. | D783,540 S * | 4/2017 | Murphy D13/154 |
| D313,392 S * | 1/1991 | Sachs D13/133 | D785,381 S | 5/2017 | Johnson |
| 5,020,677 A | 6/1991 | Wirth et al. | D785,383 S | 5/2017 | Johnson |
| 5,078,928 A | 1/1992 | Balster | 9,926,704 B1 | 3/2018 | Nowacek |
| 5,084,155 A | 1/1992 | Engwall | 9,943,891 B2 | 4/2018 | Dixon |
| 5,088,609 A | 2/1992 | Frye | D818,724 S | 5/2018 | Davison et al. |
| 5,147,050 A | 9/1992 | Cullen | D833,781 S | 11/2018 | Hartman et al. |
| 5,279,428 A | 1/1994 | Lee | 10,137,726 B2 | 11/2018 | Murrow |
| 5,296,030 A | 3/1994 | Young | D839,481 S | 1/2019 | Seutter |
| 5,365,813 A | 11/1994 | Greene | D850,827 S | 6/2019 | Dixon |
| 5,412,912 A | 5/1995 | Alves | D853,158 S | 7/2019 | Nichols et al. |
| 5,524,774 A | 6/1996 | Cullen | D860,677 S | 9/2019 | Chesterton |
| 5,531,334 A | 7/1996 | Forby | D865,475 S | 11/2019 | Cross |
| 5,536,377 A | 7/1996 | Hiermaier | 10,507,499 B2 | 12/2019 | Dixon |
| 5,607,069 A | 3/1997 | Stroobants et al. | D878,831 S | 3/2020 | Rortvedt et al. |
| 5,762,205 A | 6/1998 | Davitz | D896,184 S * | 9/2020 | Murphy D13/154 |
| 5,788,829 A | 8/1998 | Joshi et al. | D909,801 S | 2/2021 | Dixon |
| 5,790,454 A | 8/1998 | Choi | D933,604 S * | 10/2021 | Harris, III D13/119 |
| 5,875,901 A | 3/1999 | Morrow et al. | 2002/0112954 A1 | 8/2002 | Evans |
| 5,897,002 A | 4/1999 | Carlino | 2003/0141267 A1 | 7/2003 | Lloyd et al. |
| 5,897,709 A | 4/1999 | Torefors | 2003/0209504 A1 | 11/2003 | Cook et al. |
| D409,858 S | 5/1999 | Reed | 2004/0206713 A1 | 10/2004 | Lloyd et al. |
| 5,906,282 A | 5/1999 | Aldrich et al. | 2004/0238465 A1 | 12/2004 | Mercure |
| 5,908,120 A | 6/1999 | Yates et al. | 2006/0196838 A1 | 9/2006 | Mercure et al. |
| 5,924,577 A | 7/1999 | Gessert | 2007/0039632 A1 | 2/2007 | Dean et al. |
| D418,693 S | 1/2000 | Kopala, Jr. | 2010/0300997 A1 | 12/2010 | Bramley |
| D419,335 S | 1/2000 | Kopala, Jr. | 2012/0273439 A1 | 11/2012 | Beavers et al. |
| D424,320 S | 5/2000 | Klein et al. | 2013/0075252 A1 | 3/2013 | Wright |
| 6,189,709 B1 | 2/2001 | Cullen | 2013/0228460 A1 | 9/2013 | Tsai |
| 6,311,854 B1 | 11/2001 | Anderson | 2017/0120313 A1 | 5/2017 | Dixon |
| 6,530,489 B1 | 3/2003 | Van Horn et al. | 2018/0257120 A1 | 9/2018 | Dixon |
| | | | 2019/0273239 A1 * | 9/2019 | Sato H01M 50/502 |
| | | | 2020/0215558 A1 | 7/2020 | Dixon |

* cited by examiner

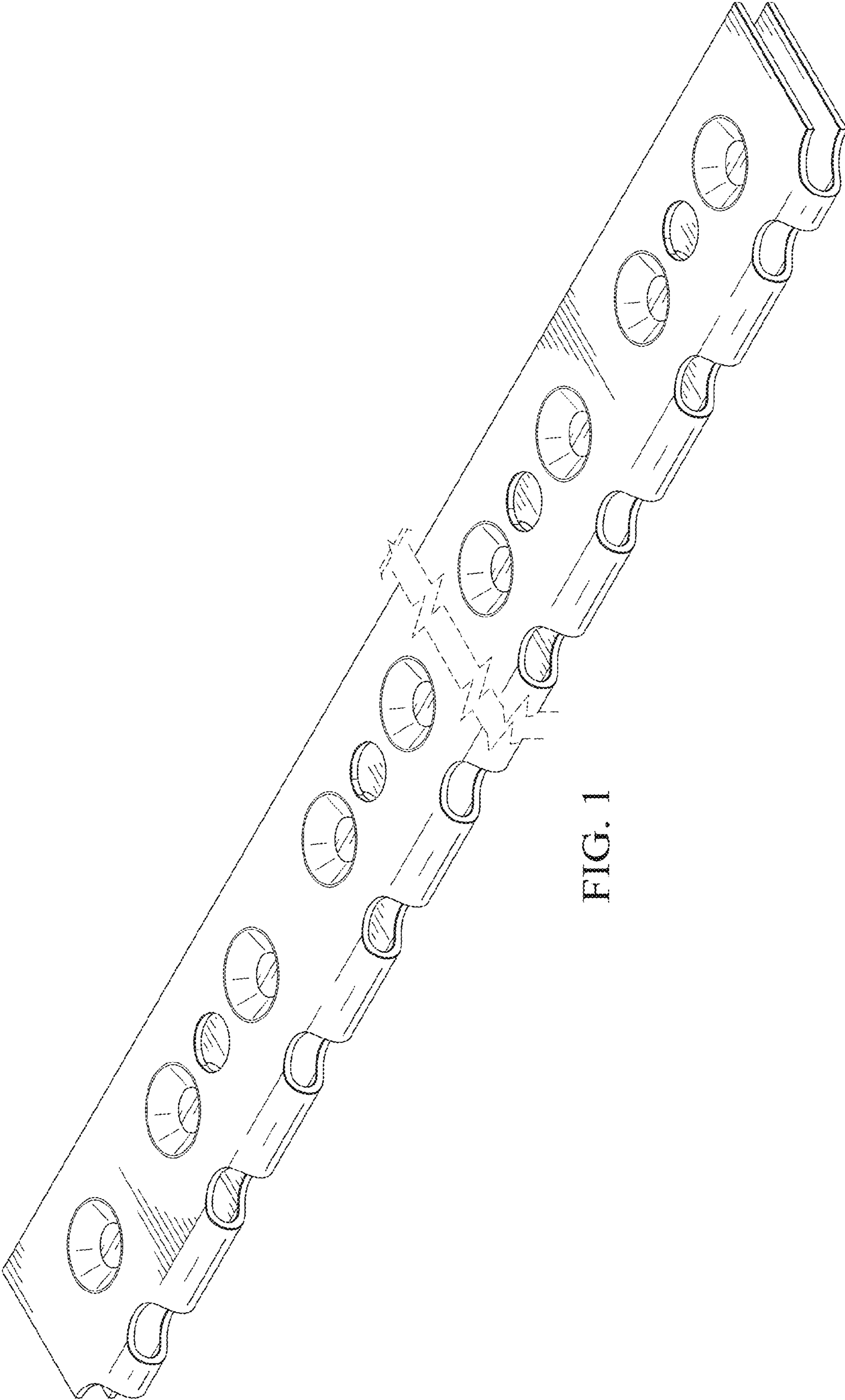


FIG. 1

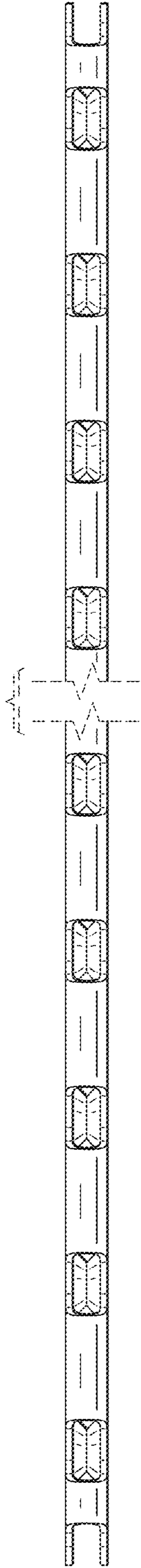


FIG. 2

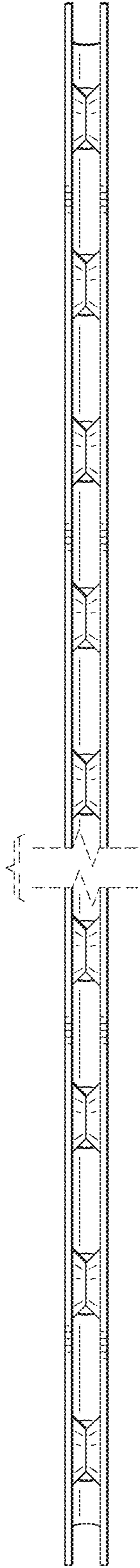


FIG. 3



FIG. 4



FIG. 5

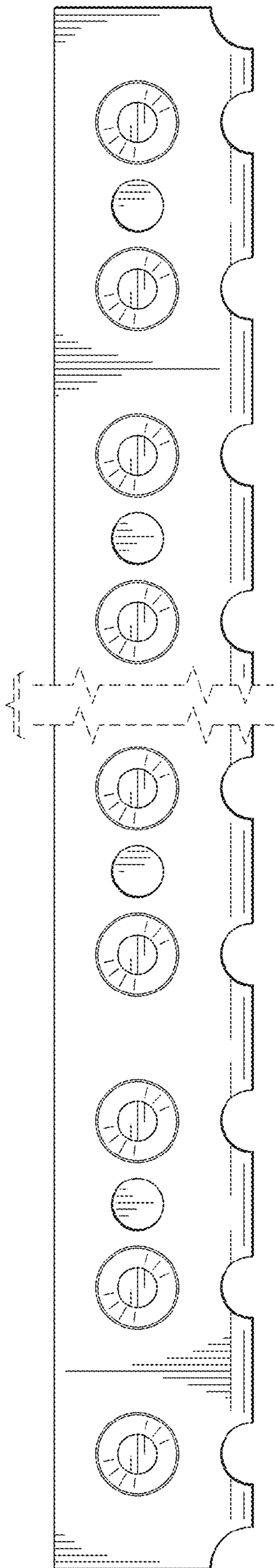


FIG. 6

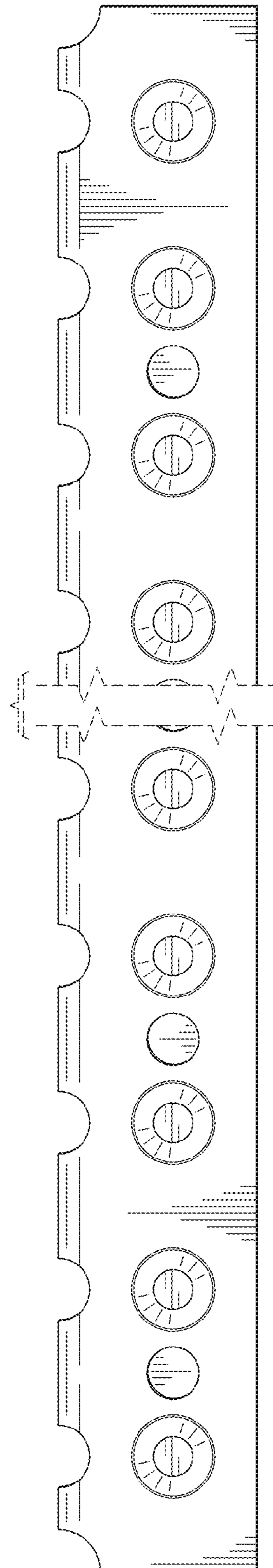


FIG. 7

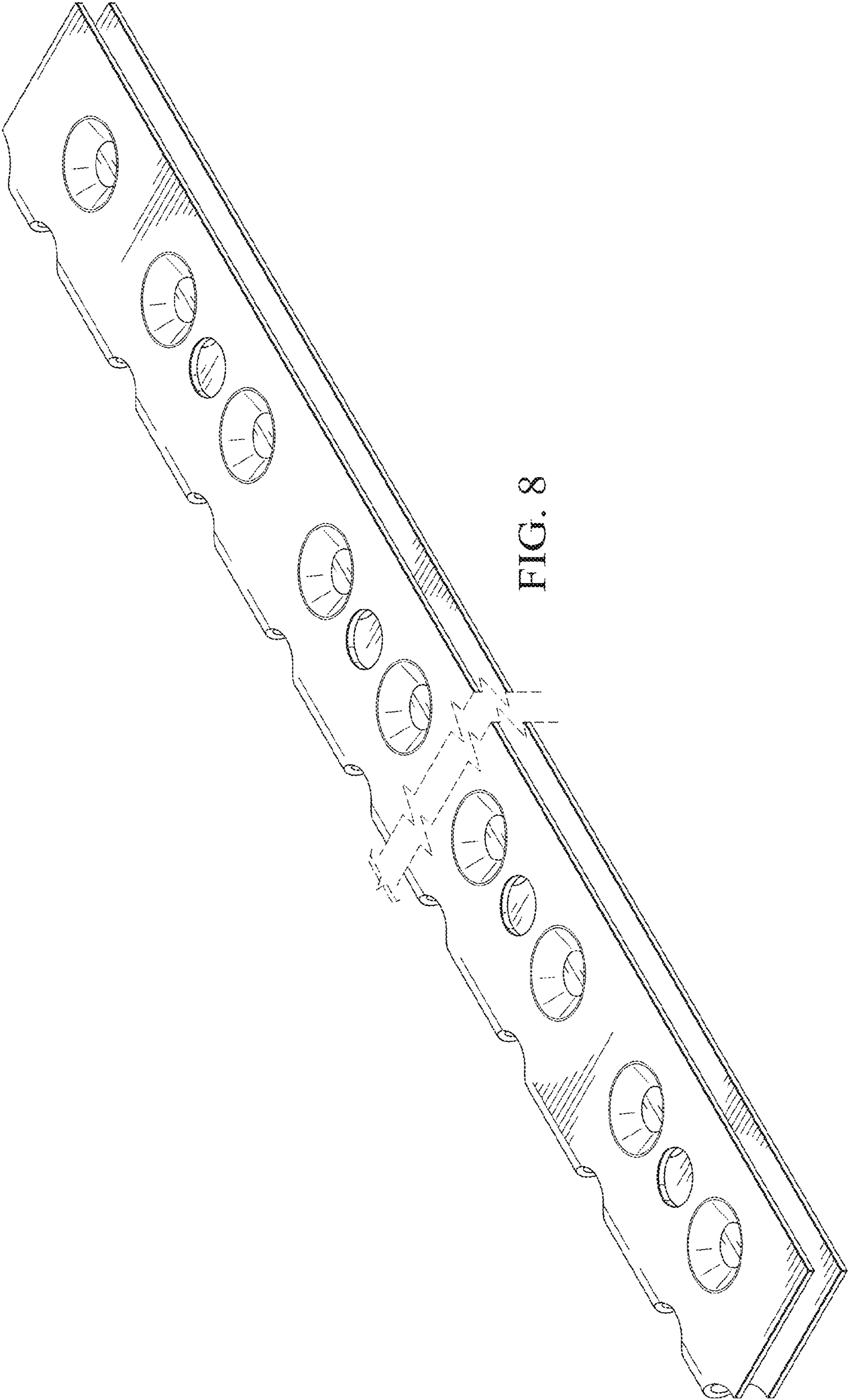


FIG. 8