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(12) **United States Design Patent** (10) **Patent No.:** **US D768,117 S**  
**Yang** (45) **Date of Patent:** **\*\* Oct. 4, 2016**

- (54) **ANTENNA**
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- (\*\*) Term: **14 Years**
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- (52) **U.S. Cl.**  
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- (58) **Field of Classification Search**  
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D13/182  
CPC ..... H01L 33/48; H01L 33/486; H01L 23/02;  
H05K 5/00; H01Q 13/10  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- |              |         |                   |       |         |
|--------------|---------|-------------------|-------|---------|
| D211,025 S * | 5/1968  | Callaghan         | ..... | D14/234 |
| D211,179 S * | 5/1968  | Rosenberry et al. | ..... | D14/234 |
| D406,570 S * | 3/1999  | Iwasaki           | ..... | D13/182 |
| 7,061,437 B2 | 6/2006  | Lin et al.        |       |         |
| D532,756 S * | 11/2006 | Lai               | ..... | D13/182 |
| 7,148,849 B2 | 12/2006 | Lin               |       |         |
| 7,215,296 B2 | 5/2007  | Abramov et al.    |       |         |
| D546,821 S   | 7/2007  | Oliver            |       |         |
| D549,696 S   | 8/2007  | Oshima et al.     |       |         |
| 7,333,067 B2 | 2/2008  | Hung et al.       |       |         |
| 7,336,959 B2 | 2/2008  | Khitrik et al.    |       |         |
| D573,589 S   | 7/2008  | Montgomery et al. |       |         |
| 7,405,704 B1 | 7/2008  | Lin et al.        |       |         |
| 7,477,195 B2 | 1/2009  | Vance             |       |         |
| D592,195 S   | 5/2009  | Wu et al.         |       |         |
| 7,570,215 B2 | 8/2009  | Abramov et al.    |       |         |

- |              |         |                |       |         |
|--------------|---------|----------------|-------|---------|
| D599,334 S   | 9/2009  | Chiang         |       |         |
| D606,053 S   | 12/2009 | Wu et al.      |       |         |
| D607,442 S   | 1/2010  | Su et al.      |       |         |
| D608,769 S   | 1/2010  | Bufe           |       |         |
| D612,368 S   | 3/2010  | Yang et al.    |       |         |
| 7,705,783 B2 | 4/2010  | Rao et al.     |       |         |
| D615,506 S * | 5/2010  | Eide           | ..... | D13/182 |
| 7,729,662 B2 | 6/2010  | Abramov et al. |       |         |
| D621,819 S   | 8/2010  | Tsai et al.    |       |         |
| 7,843,390 B2 | 11/2010 | Liu            |       |         |
| D633,483 S   | 3/2011  | Su et al.      |       |         |
| D635,127 S   | 3/2011  | Tsai et al.    |       |         |
| 7,907,971 B2 | 3/2011  | Salo et al.    |       |         |
| D635,560 S   | 4/2011  | Tsai et al.    |       |         |
| D635,963 S   | 4/2011  | Podduturi      |       |         |
| D635,964 S   | 4/2011  | Podduturi      |       |         |
| D635,965 S   | 4/2011  | Mi et al.      |       |         |
| D636,382 S   | 4/2011  | Podduturi      |       |         |
| 7,965,242 B2 | 6/2011  | Abramov et al. |       |         |

(Continued)

OTHER PUBLICATIONS

<http://www.airgain.com/profile-n2420dm>—Retrieved Jun. 20, 2016.\*

(Continued)

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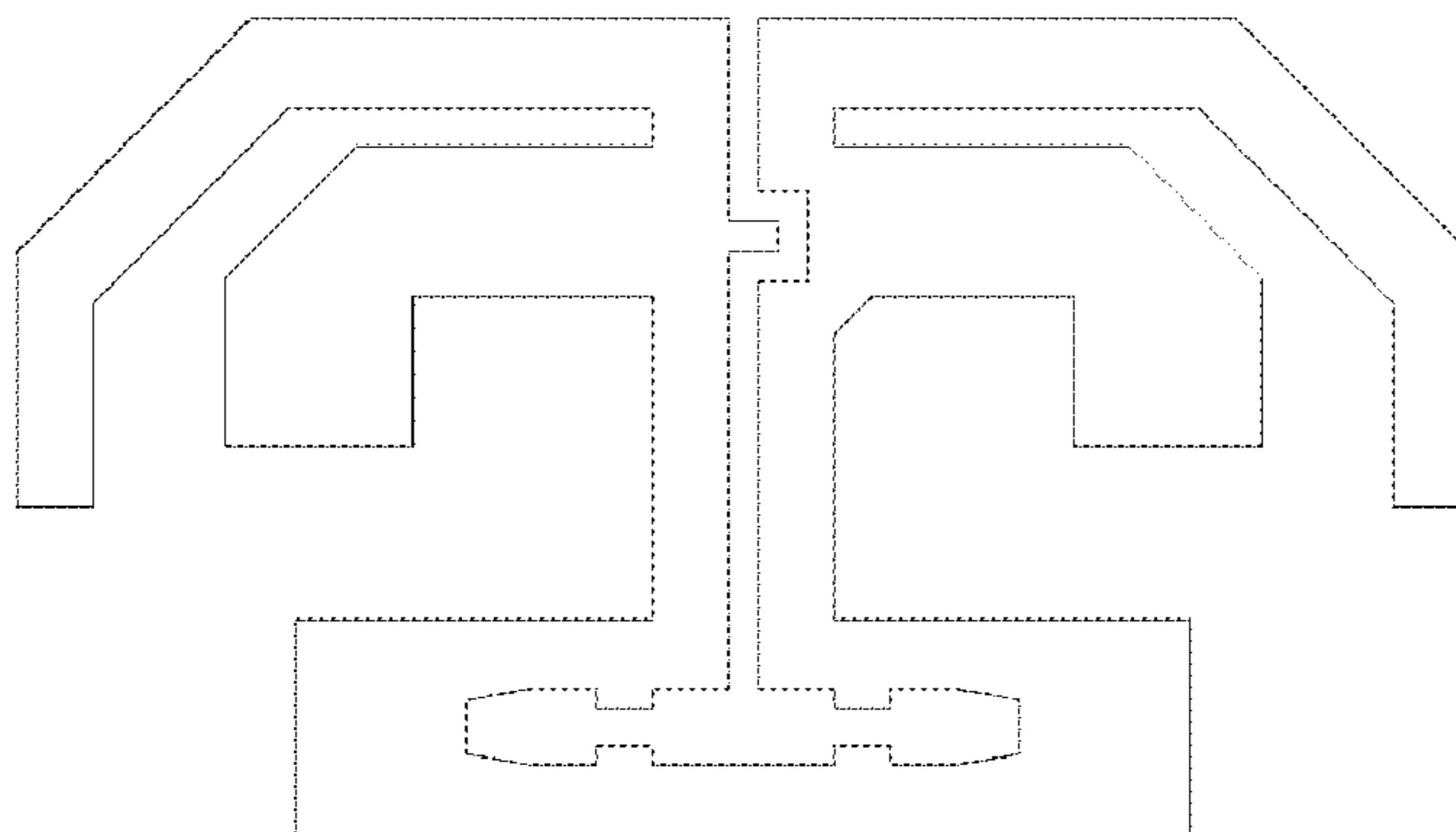
(57) **CLAIM**

The ornamental design for an antenna, as shown.

**DESCRIPTION**

FIG. 1 is a front perspective view of an antenna, showing my new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a top plan view thereof; and,  
FIG. 4 is a side elevation view thereof; the opposite side view being a mirror image.

**1 Claim, 1 Drawing Sheet**



(56)

References Cited

U.S. PATENT DOCUMENTS

D646,669 S \* 10/2011 Suleiman ..... D14/234  
 D649,962 S 12/2011 Tseng et al.  
 D651,198 S 12/2011 Mi et al.  
 D654,059 S 2/2012 Mi et al.  
 D654,060 S 2/2012 Ko et al.  
 D658,639 S 5/2012 Huang et al.  
 D659,129 S 5/2012 Mi et al.  
 D659,685 S 5/2012 Huang et al.  
 D659,688 S 5/2012 Huang et al.  
 8,175,036 B2 5/2012 Visuri et al.  
 8,184,601 B2 5/2012 Abramov et al.  
 D662,916 S 7/2012 Huang et al.  
 8,248,970 B2 8/2012 Abramov et al.  
 D671,097 S 11/2012 Mi et al.  
 8,310,402 B2 11/2012 Yang  
 D676,429 S 2/2013 Gosalia et al.  
 D678,255 S 3/2013 Ko et al.  
 8,423,084 B2 4/2013 Abramov et al.  
 D684,565 S 6/2013 Wei  
 D685,352 S 7/2013 Wei  
 D685,772 S 7/2013 Zheng et al.  
 D686,600 S 7/2013 Yang  
 D689,474 S 9/2013 Yang et al.  
 D692,870 S 11/2013 He  
 D694,738 S 12/2013 Yang  
 D695,279 S 12/2013 Yang et al.  
 D695,280 S 12/2013 Yang et al.  
 D703,195 S 4/2014 Zheng  
 D703,196 S 4/2014 Zheng  
 D706,247 S 6/2014 Zheng et al.  
 D706,750 S 6/2014 Bringuir

D706,751 S 6/2014 Chang et al.  
 D708,602 S 7/2014 Gosalia et al.  
 D709,053 S \* 7/2014 Chang ..... D14/230  
 D710,832 S 8/2014 Yang  
 D710,833 S 8/2014 Zheng et al.  
 8,854,265 B1 10/2014 Yang et al.  
 D716,775 S 11/2014 Bidermann  
 D756,317 S \* 5/2016 Finn ..... D13/182  
 2002/0003499 A1 1/2002 Kouam et al.  
 2004/0222936 A1 11/2004 Hung et al.  
 2005/0073462 A1 4/2005 Lin et al.  
 2005/0190108 A1 9/2005 Lin et al.  
 2006/0208900 A1 9/2006 Tavassoli Hozouri  
 2007/0030203 A1 2/2007 Tsai et al.  
 2008/0150829 A1 6/2008 Lin et al.  
 2009/0002244 A1 1/2009 Woo  
 2009/0058739 A1 3/2009 Konishi  
 2009/0135072 A1 5/2009 Ke et al.  
 2009/0262028 A1 10/2009 Mumbru et al.  
 2010/0188297 A1 7/2010 Chen et al.  
 2010/0309067 A1 12/2010 Tsou et al.  
 2011/0006950 A1 1/2011 Park et al.  
 2012/0038514 A1 2/2012 Bang  
 2012/0229348 A1 9/2012 Chiang  
 2012/0242546 A1 9/2012 Hu et al.

OTHER PUBLICATIONS

<http://www.airgain.com/ultra-M2410CM>—Retrieved Jun. 20, 2016.\*  
<http://www.airgain.com/ultra-M2410DC>—Retrieved Jun. 20, 2016.\*

\* cited by examiner

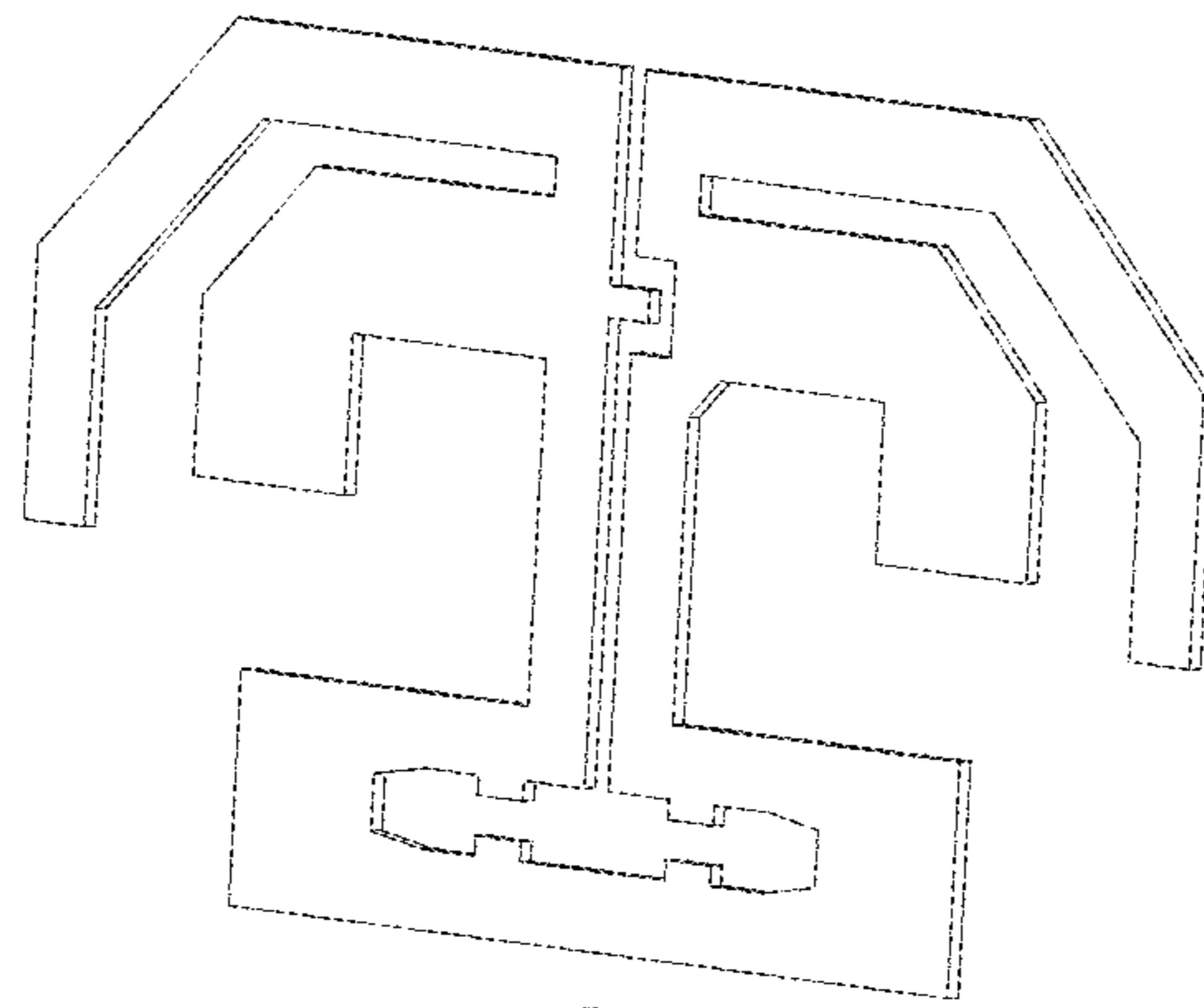


FIG. 1

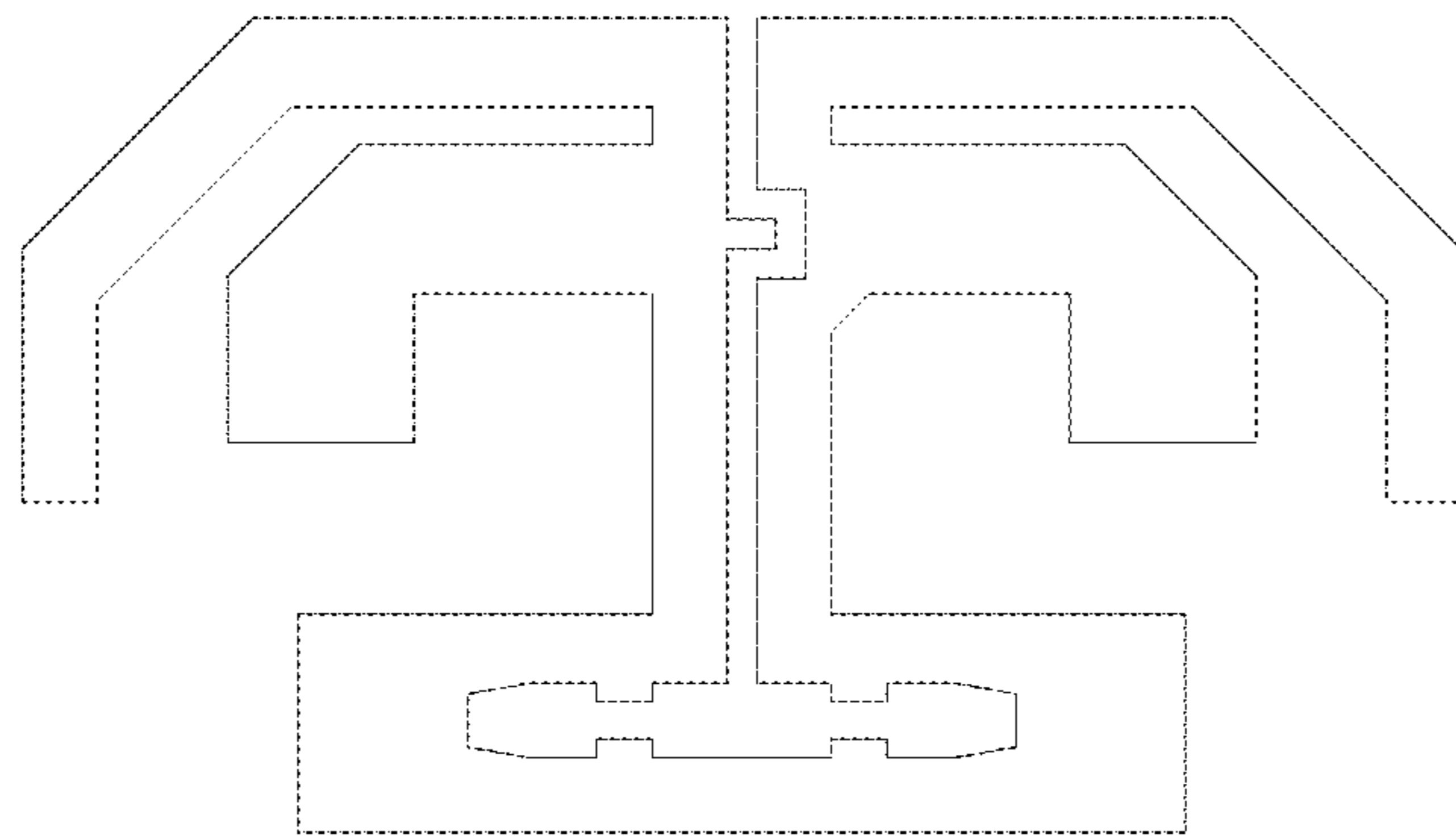


FIG. 2

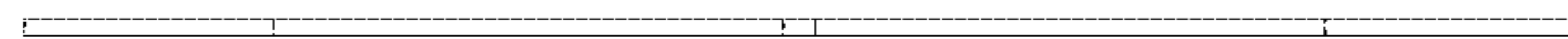


FIG. 3



FIG. 4