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

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(54) **SELF-SERVICE PART RECOGNITION  
TERMINAL**

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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43/213-215, 73, 24, 29, 37, 202.1;  
700/98, 97, 118, 161, 163, 182; 264/16,  
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249/54; 600/590; D20/1-9; 194/205,  
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D18/3.3, 4.4, 12, 49; D99/28, 43;  
235/381, 472.01; D10/104.1, 18, 21-28,  
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361/600, 679, 683, 686; 320/113-115,  
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21/67288; H01L 21/00; G06T 11/003;  
G06T 11/00; G06T 11/001; G06T 11/005;  
G06T 1/00; G06T 1/0007; G06T 3/80037;  
G06T 3/0043; G06T 3/0056; G06T  
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(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D207,059 S \* 2/1967 Regal ..... D14/469  
D530,719 S \* 10/2006 Roubanis ..... D14/449

(Continued)

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(57) **CLAIM**

The ornamental design for a self-service part recognition terminal, as shown and described.

**DESCRIPTION**

FIG. 1 is a left front perspective view of a self-service part recognition terminal showing the claimed design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left view thereof;  
FIG. 5 is a right view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken lines in the figures and the areas within the broken lines show portions of the self-service part recognition terminal that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... 5/50; G06T 7/0057; G06T 7/0061; G06T 9/001; G02B 26/123; G02B 26/127; G02B 26/101; G02B 27/0075; G02B 13/001; G02B 5/201; G02B 3/0056; H04N 5/2254; H04N 5/23212; H04N 9/3185; H04N 9/3129; H04N 13/0253; H04N 13/0221; G03B 35/00; G01B 11/2513; G01B 11/2518; G01B 11/2522; G01B 5/0002; G03F 7/70483; G06K 9/3275; G06K 2209/19

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D560,220 S \* 1/2008 Barron ..... D14/421  
 D631,968 S \* 2/2011 Sevel ..... D24/186  
 D680,657 S \* 4/2013 Lee ..... D24/216  
 D687,968 S \* 8/2013 Trigg ..... D24/232  
 D694,888 S \* 12/2013 Chung ..... D24/169  
 D694,899 S \* 12/2013 Cook ..... D24/216  
 D723,560 S \* 3/2015 Zhou ..... D14/420  
 D730,535 S \* 5/2015 Gutmann ..... D24/216  
 D734,814 S \* 7/2015 Yeh ..... D18/50  
 D740,863 S \* 10/2015 Kemperle ..... D15/122  
 D757,132 S \* 5/2016 Liu ..... D15/135  
 D762,860 S \* 8/2016 He ..... D24/186  
 D766,244 S \* 9/2016 Zhou ..... D14/421  
 D771,164 S \* 11/2016 Noorazar ..... D15/122  
 D775,365 S \* 12/2016 Mathers ..... D24/232  
 D783,693 S \* 4/2017 Reches ..... D15/122  
 D787,574 S \* 5/2017 Lee ..... D15/122

D800,320 S \* 10/2017 Nishikawa ..... D24/186  
 D815,286 S \* 4/2018 Underwood ..... D24/163  
 D819,470 S \* 6/2018 Schueren ..... D24/234  
 D820,454 S \* 6/2018 Falk ..... D24/163  
 D826,233 S \* 8/2018 Zhou ..... D14/421  
 D827,859 S \* 9/2018 Mathers ..... D24/232  
 D845,503 S \* 4/2019 Jensen ..... D24/216  
 D848,880 S \* 5/2019 Smith ..... D24/234  
 D851,773 S \* 6/2019 Nishikawa ..... D24/186  
 D853,873 S \* 7/2019 Schueren ..... D24/234  
 D854,591 S \* 7/2019 Gupta ..... D15/135  
 D864,262 S \* 10/2019 Noorazar ..... D15/122  
 D869,684 S \* 12/2019 Ma ..... D24/232  
 D871,463 S \* 12/2019 Cao ..... D15/122  
 D877,925 S \* 3/2020 Tanaka ..... D24/216  
 D877,926 S \* 3/2020 Tanaka ..... D24/216  
 D878,619 S \* 3/2020 Tanaka ..... D24/216  
 D886,167 S \* 6/2020 Wang ..... D15/122  
 D888,267 S \* 6/2020 Salomon ..... D24/216  
 D889,668 S \* 7/2020 Chiu ..... D24/185  
 D893,564 S \* 8/2020 Jeffery ..... D15/122  
 D895,841 S \* 9/2020 Mathers ..... D24/232  
 D903,730 S \* 12/2020 Johnson ..... D15/135  
 D905,134 S \* 12/2020 Chen ..... D15/122  
 D911,546 S \* 2/2021 Vacic ..... D24/216  
 D916,287 S \* 4/2021 Marshall ..... D24/146  
 D924,292 S \* 7/2021 Wei ..... D15/199  
 D938,502 S \* 12/2021 Yang ..... D15/122  
 D942,641 S \* 2/2022 Reavis, Jr. .... D24/216  
 D949,237 S \* 4/2022 Arslan ..... D18/50  
 11,366,935 B2 \* 6/2022 Fernando ..... G06Q 20/204  
 D960,727 S \* 8/2022 Pan ..... D10/70  
 2014/0132730 A1 \* 5/2014 Blayvas ..... G01B 11/25  
 348/46  
 2022/0360837 A1 \* 11/2022 Sun ..... H04R 5/02

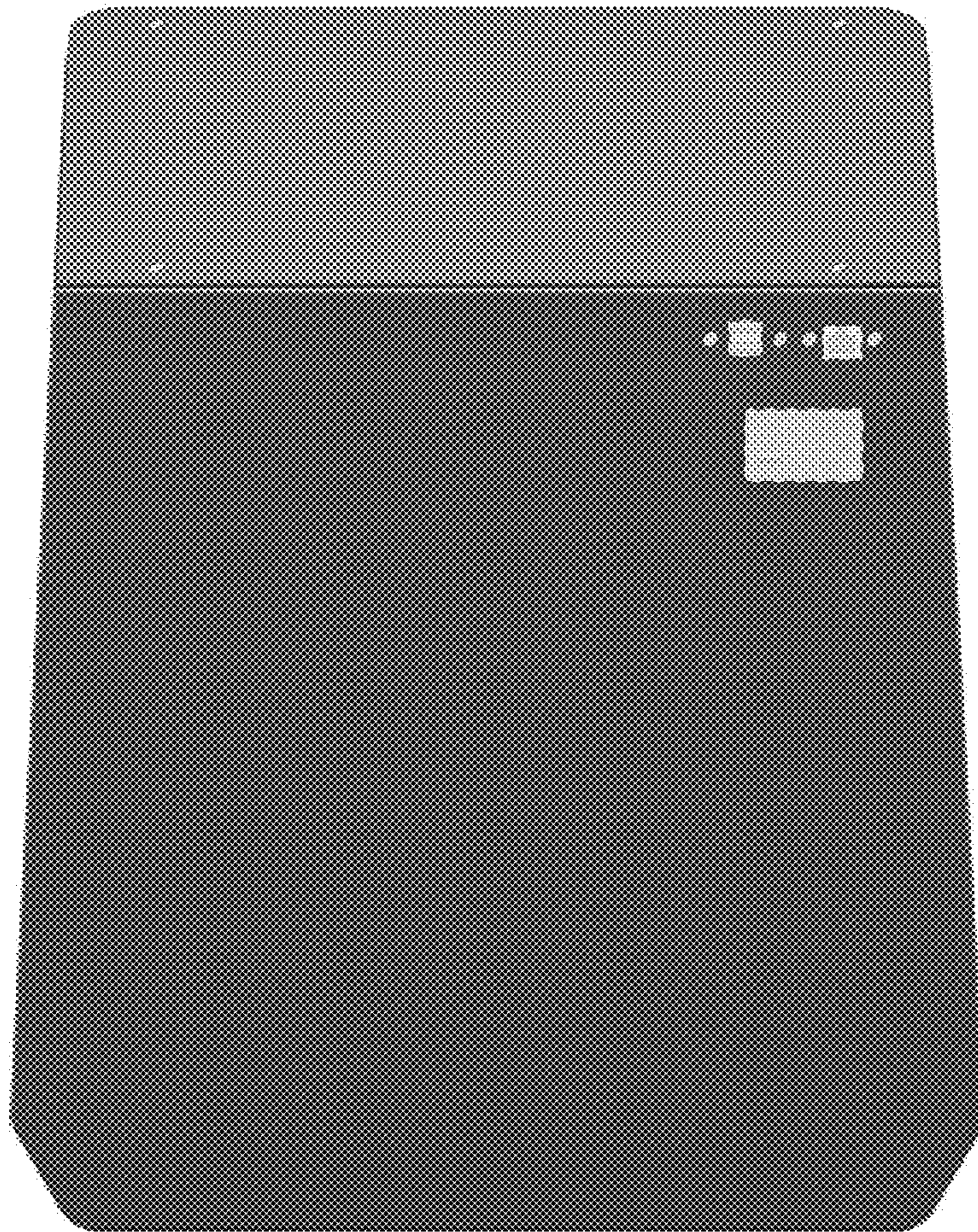
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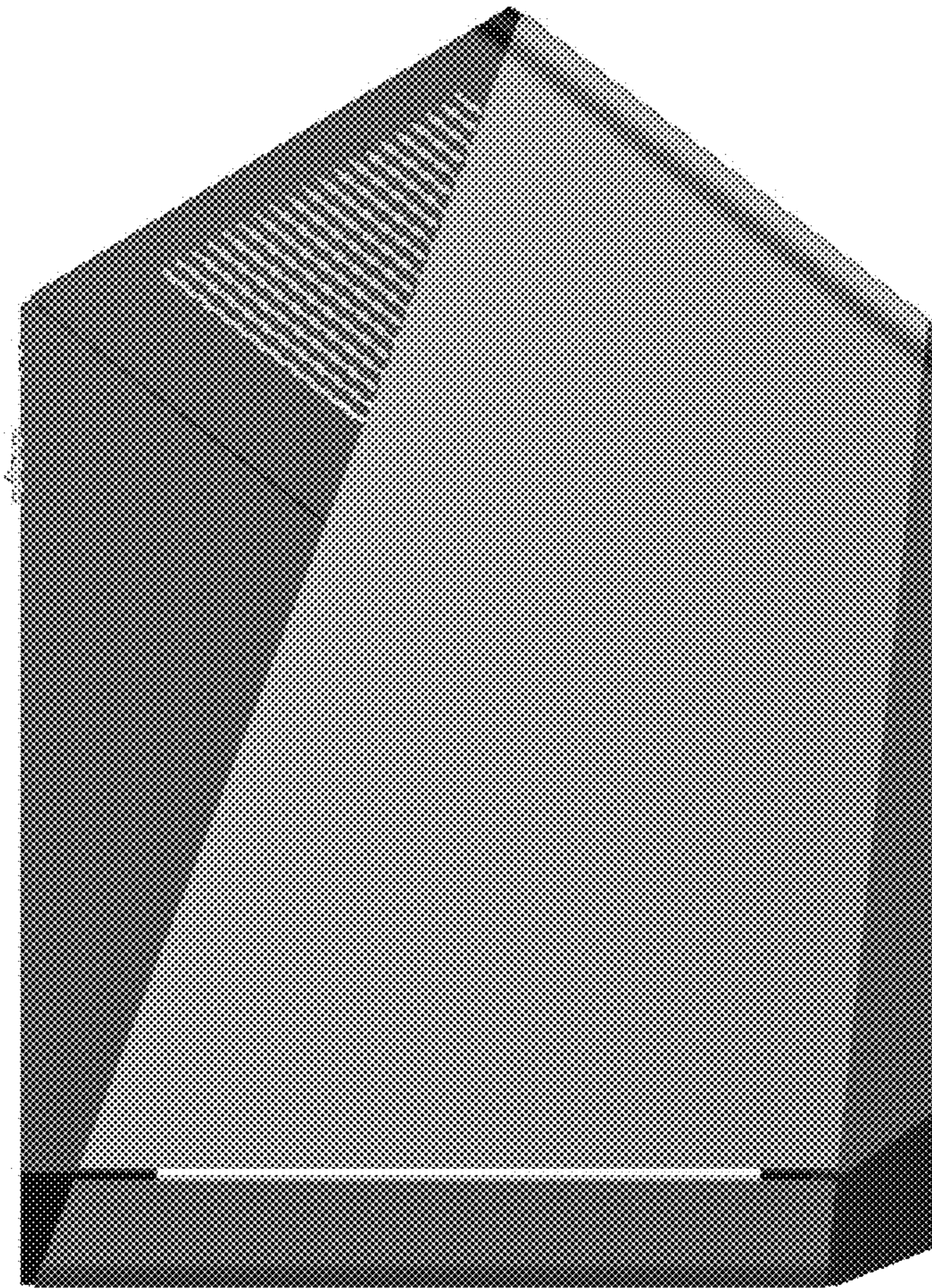
**FIG. 1**



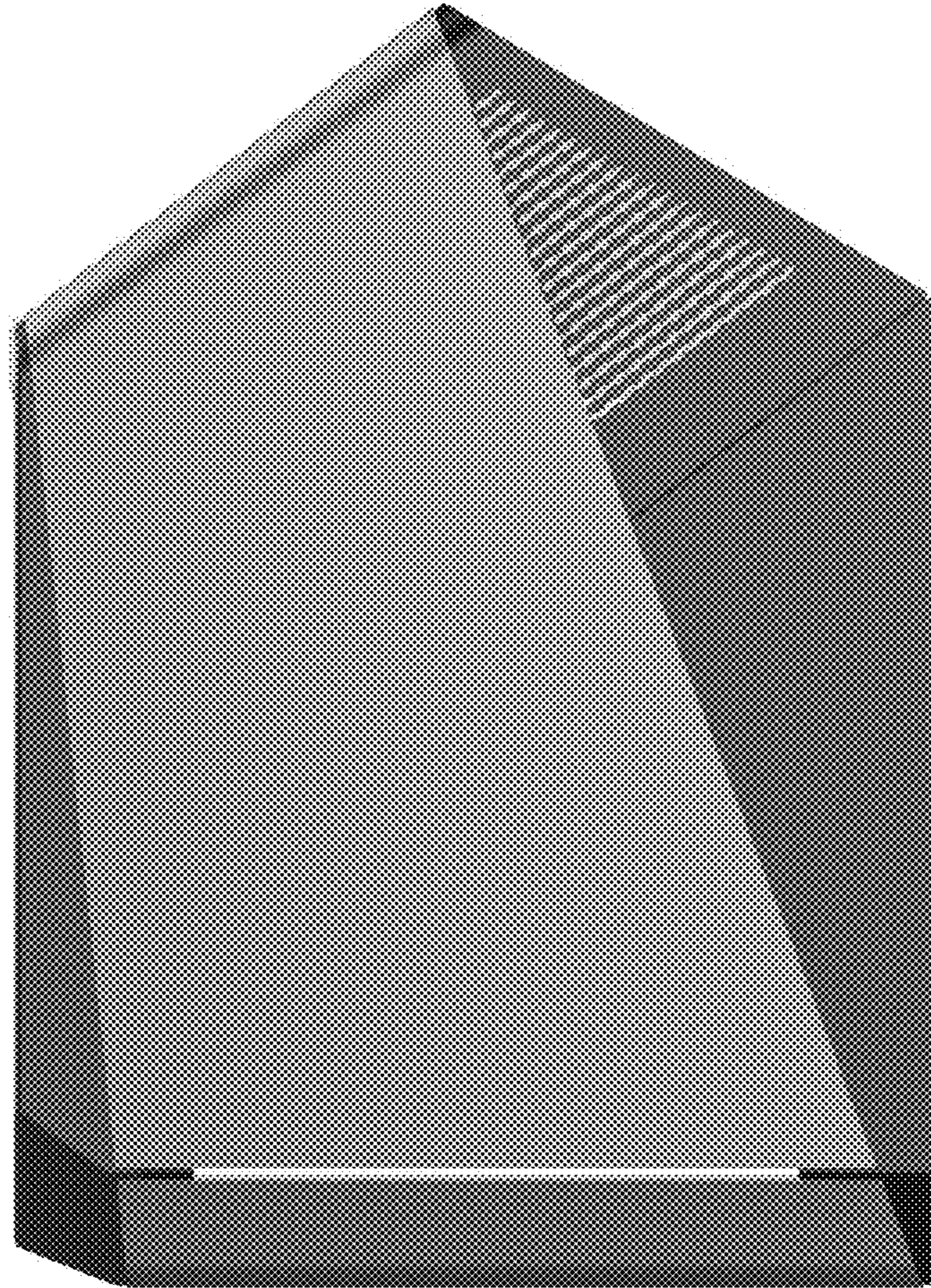
**FIG. 2**



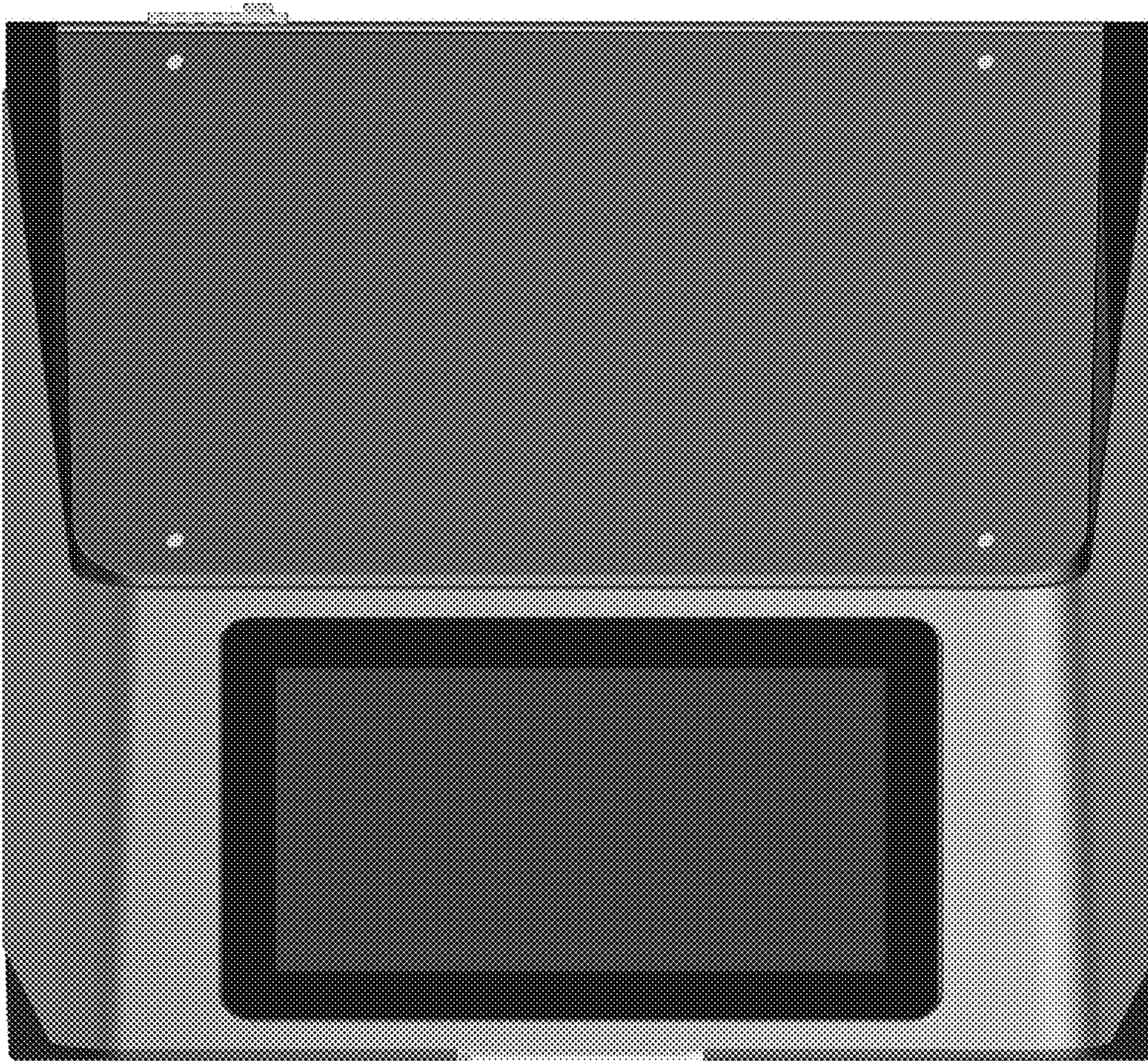
**FIG. 3**



**FIG. 4**

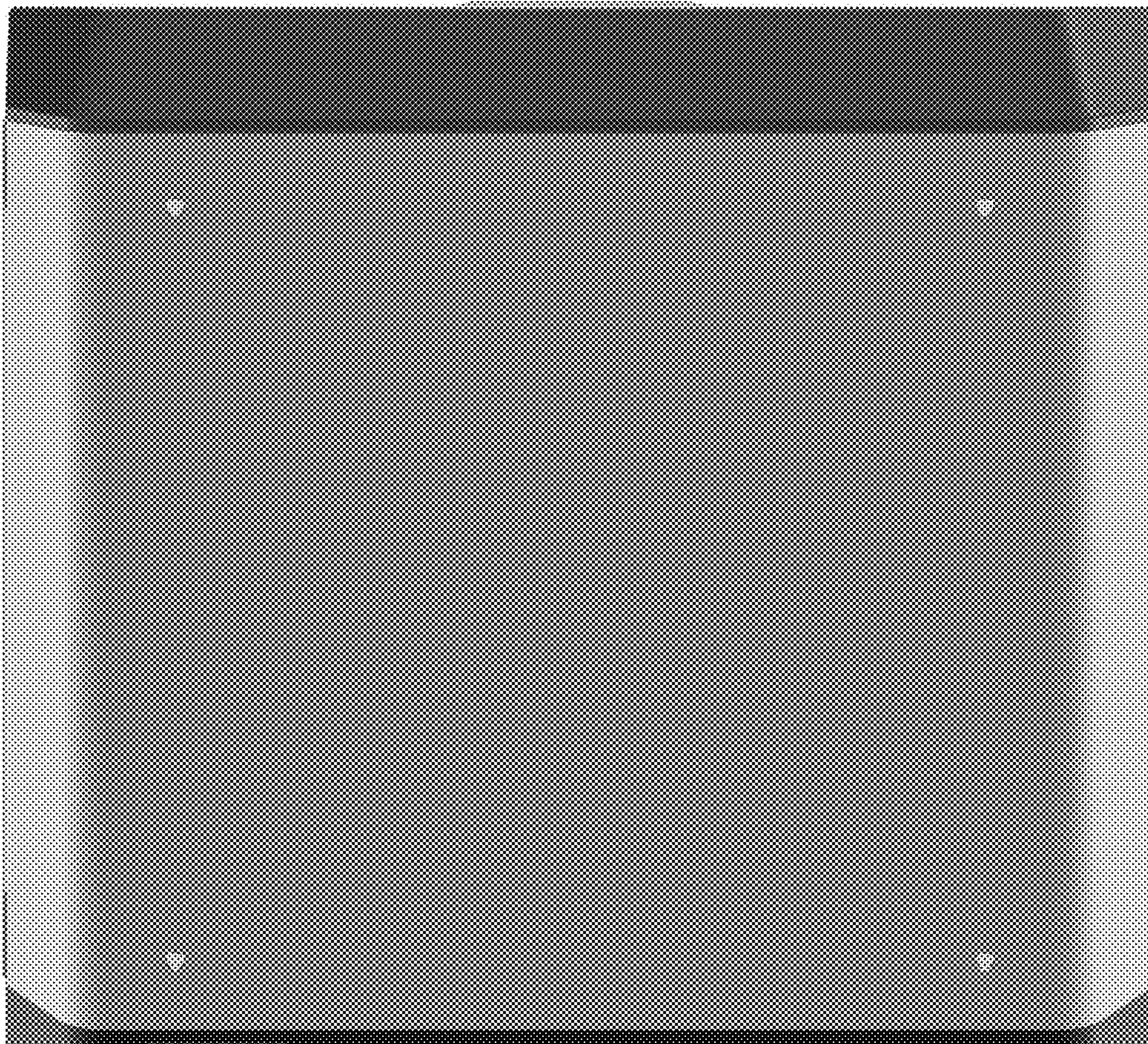


**FIG. 5**



**FIG. 6**





**FIG. 7**