



US00D728477S

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

(10) **Patent No.:** **US D728,477 S**

(45) **Date of Patent:** **\*\* May 5, 2015**

(54) **CHARGING CONTROL UNIT**

(71) Applicant: **Bombardier Transportation GmbH**,  
Berlin (DE)

(72) Inventor: **Thomas Meyer**, Berlin (DE)

(73) Assignee: **Bombardier Transportation GmbH**,  
Berlin (DE)

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

(21) Appl. No.: **29/476,142**

(22) Filed: **Dec. 11, 2013**

(30) **Foreign Application Priority Data**

Jun. 12, 2013 (EM) ..... 002254177-0005

(51) **LOC (10) CL.** ..... **13-03**

(52) **U.S. CL.**  
USPC ..... **D13/123; D13/107**

(58) **Field of Classification Search**  
CPC . H02M 7/003; H05K 7/20918; H05K 7/1418;  
G02B 6/3897; G02B 6/4453; G06F 1/18;  
G06F 1/1632; H04N 5/268; H01H 33/66;  
H02K 11/046; H02K 19/365; H02K 5/225  
USPC ..... D13/101, 107, 110–112, 114, 117, 118,  
D13/120, 122–128, 133, 158–160, 162.1,  
D13/164, 167, 184, 199; D14/125, 142,  
D14/240, 348, 353, 358; D12/332; D15/5,  
D15/138, 143; D21/330; D23/200, 207;  
290/31, 36 R, 38 R; 310/10, 40 R, 40.5;  
361/66, 605, 612; 218/2, 77–79, 102,  
218/118

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D530,323	S	*	10/2006	Hsu	.....	D14/348
D538,803	S	*	3/2007	Chen et al.	.....	D14/348
D585,374	S	*	1/2009	Kim	.....	D13/123
D684,916	S	*	6/2013	Ashida et al.	.....	D12/332
D687,023	S	*	7/2013	Jung et al.	.....	D14/242
D706,865	S	*	6/2014	Kumagai et al.	.....	D18/11
D709,507	S	*	7/2014	McParland et al.	.....	D14/435

OTHER PUBLICATIONS

“Plugless™ Level 2 EV Charging System (3.3KW) Overview and Capabilities”, Dec. 2012, www.evatran.com, Evatran, 925 Fairview Road, Wytheville, VA 24382, USA.

\* cited by examiner

*Primary Examiner* — Thomas Johannes

*Assistant Examiner* — Shawn T Gingrich

(74) *Attorney, Agent, or Firm* — The Webb Law Firm

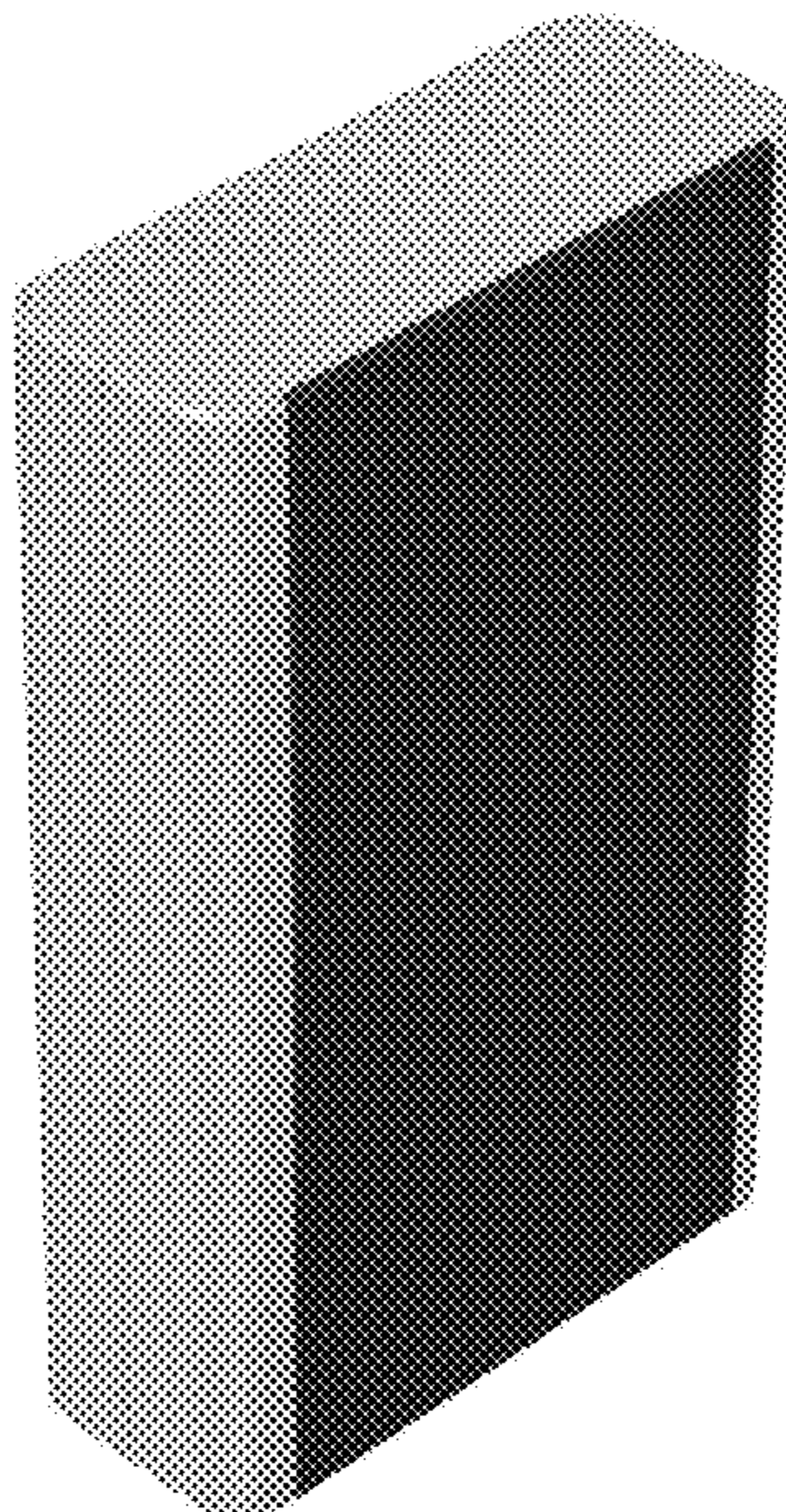
(57) **CLAIM**

The ornamental design for a charging control unit, as shown and described.

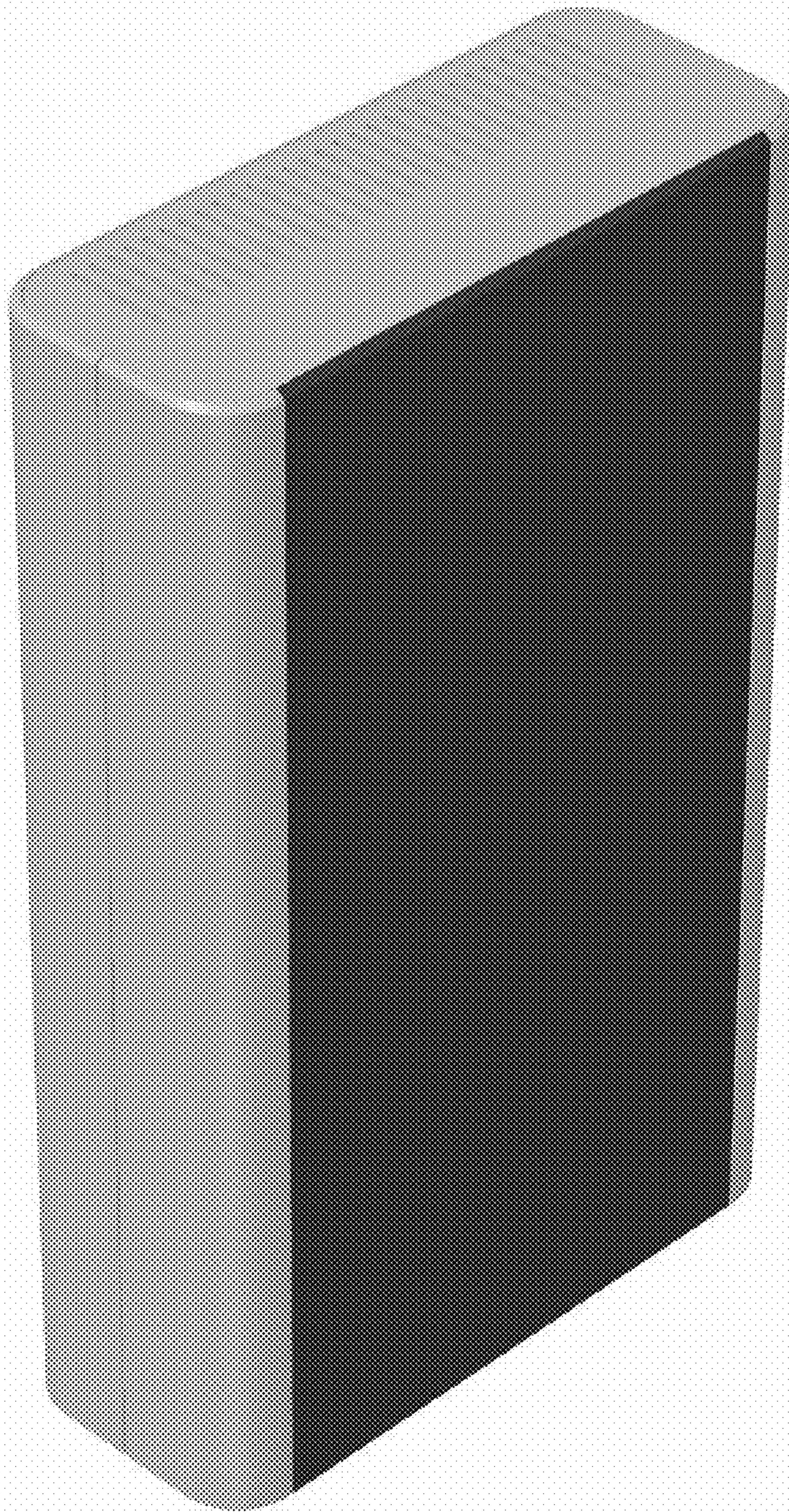
**DESCRIPTION**

FIG. 1 is an upper left front perspective view of a charging control unit, showing my new design;  
FIG. 2 is a left side view thereof;  
FIG. 3 is a right side view thereof;  
FIG. 4 is a front view thereof;  
FIG. 5 is a rear view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 7 Drawing Sheets**

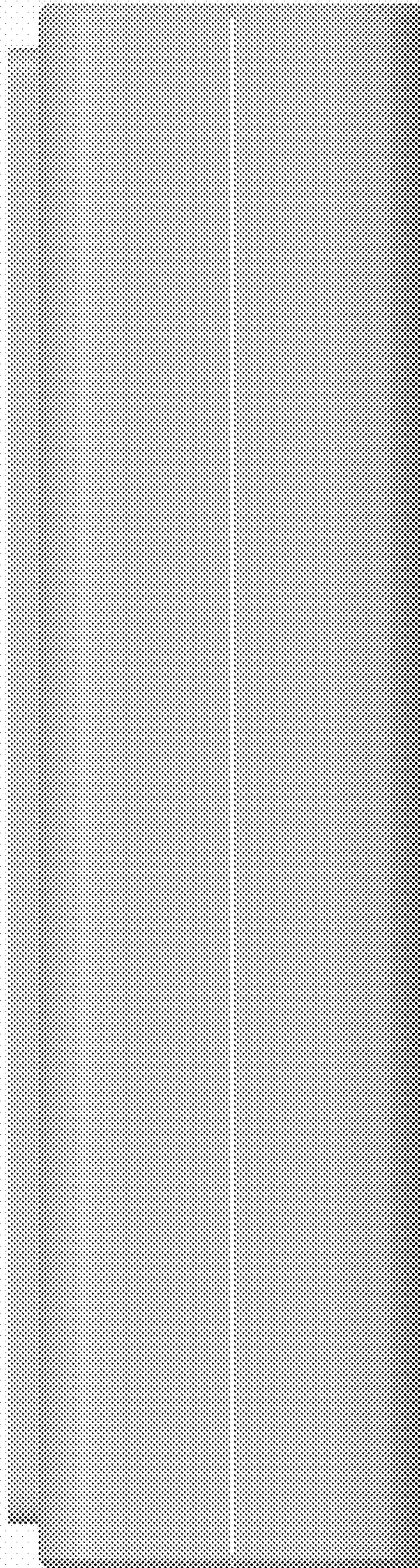






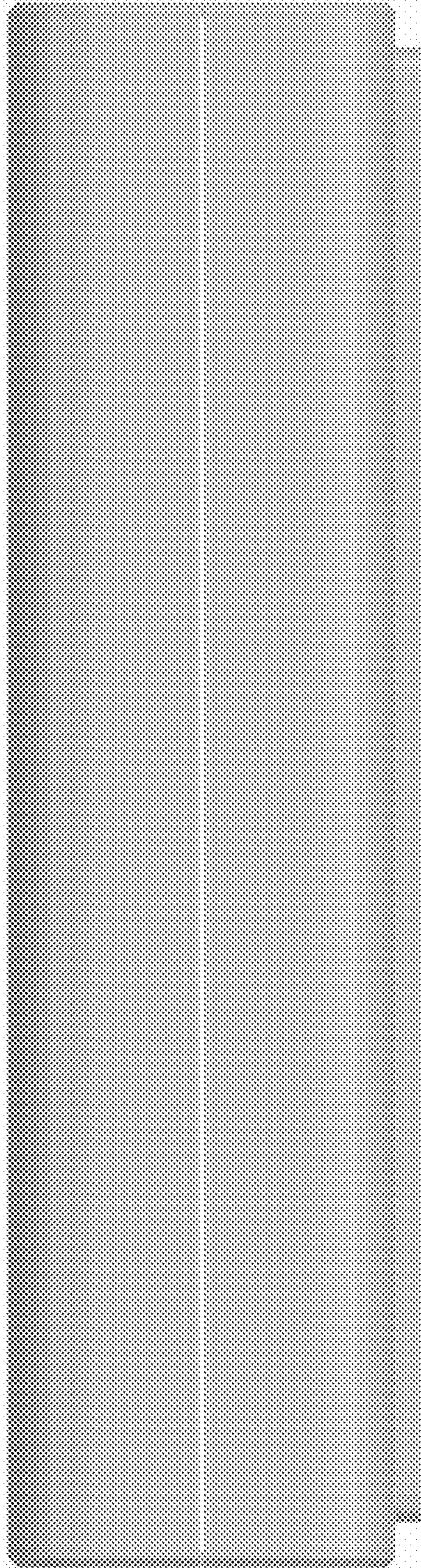
**FIG. 1**





**FIG. 2**





**FIG. 3**





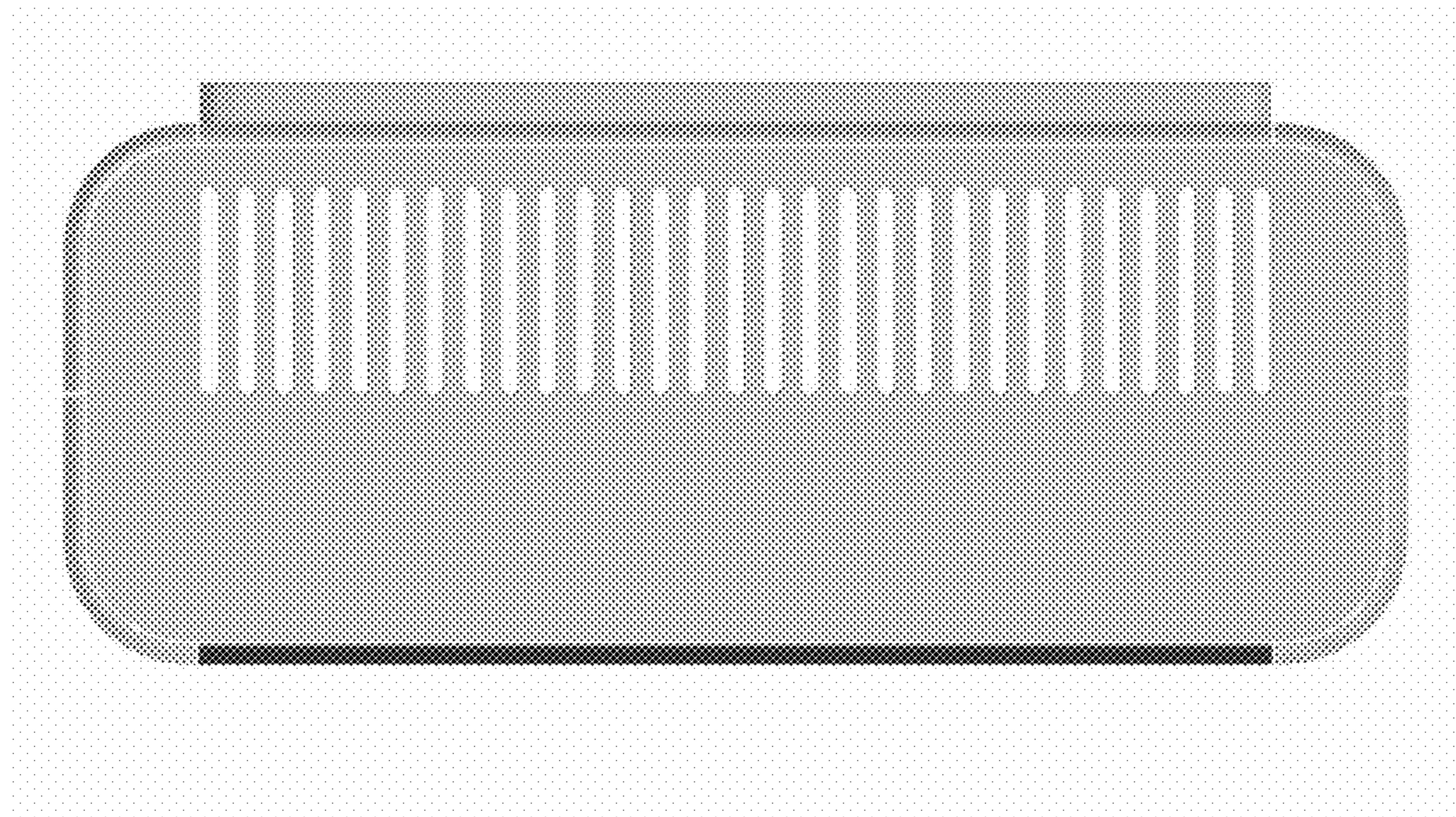
**FIG. 4**



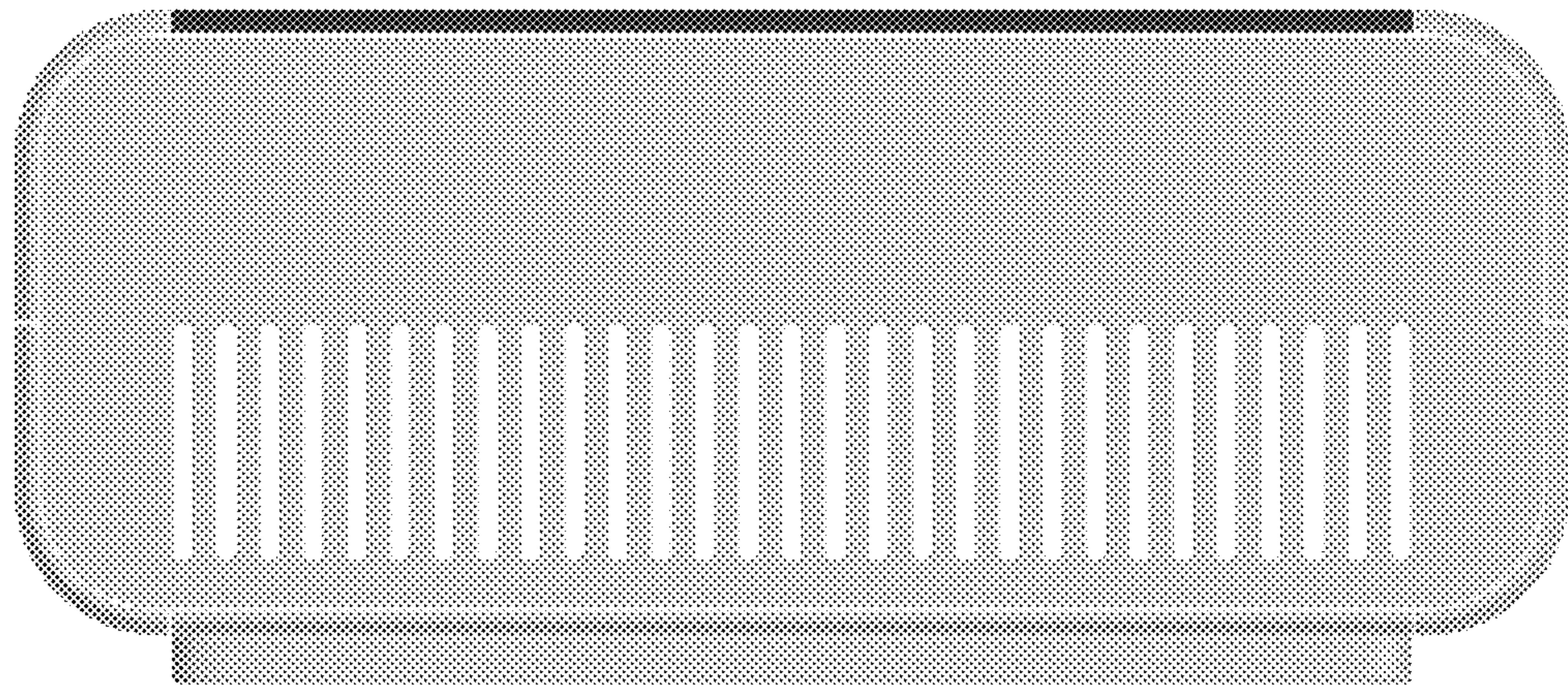


**FIG. 5**





**FIG. 6**



**FIG. 7**