



US00D991192S

(12) **United States Design Patent** (10) **Patent No.:** **US D991,192 S**
Kagami et al. (45) **Date of Patent:** **** Jul. 4, 2023**

(54) **REMOTE CONTROLLER FOR AIR
CONDITIONER**

(71) Applicant: **Mitsubishi Electric Corporation,**
Tokyo (JP)

(72) Inventors: **Rina Kagami,** Tokyo (JP); **Satoshi
Arai,** Tokyo (JP)

(73) Assignee: **Mitsubishi Electric Corporation,**
Tokyo (JP)

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

(21) Appl. No.: **29/791,032**

(22) Filed: **Dec. 27, 2021**

(30) **Foreign Application Priority Data**

Jun. 30, 2021 (JP) 2021-014206 D
Jun. 30, 2021 (JP) 2021-014207 D

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

(52) **U.S. Cl.**
USPC **D13/168; D10/50**

(58) **Field of Classification Search**
USPC D13/162, 168; D14/218; D10/49, 50
CPC G08C 17/02; G08C 19/00; G08C 19/12;
G08C 19/28; G08C 23/04; H04B 1/202;
H05B 47/10; H05B 47/19; H03J 9/00;
H03J 9/02; H03J 9/04; H03J 9/06; H03J
1/0025; H01H 9/0225; H01H 9/0228;
H01H 9/0235; G05D 23/1905; F24F
11/30; F24F 11/56

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D532,791 S * 11/2006 Kim D14/203.7
D614,975 S * 5/2010 Fisher D10/50
D623,606 S * 9/2010 Nakai D13/168

D661,662 S * 6/2012 Kikuchi D13/168
D678,219 S * 3/2013 Higashijima D13/168
D696,636 S * 12/2013 Sakai D13/168

(Continued)

OTHER PUBLICATIONS

Amazon.com, Wireless Programmable Thermostat, WiFi Electric
Heating Thermostat.*

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett
PC

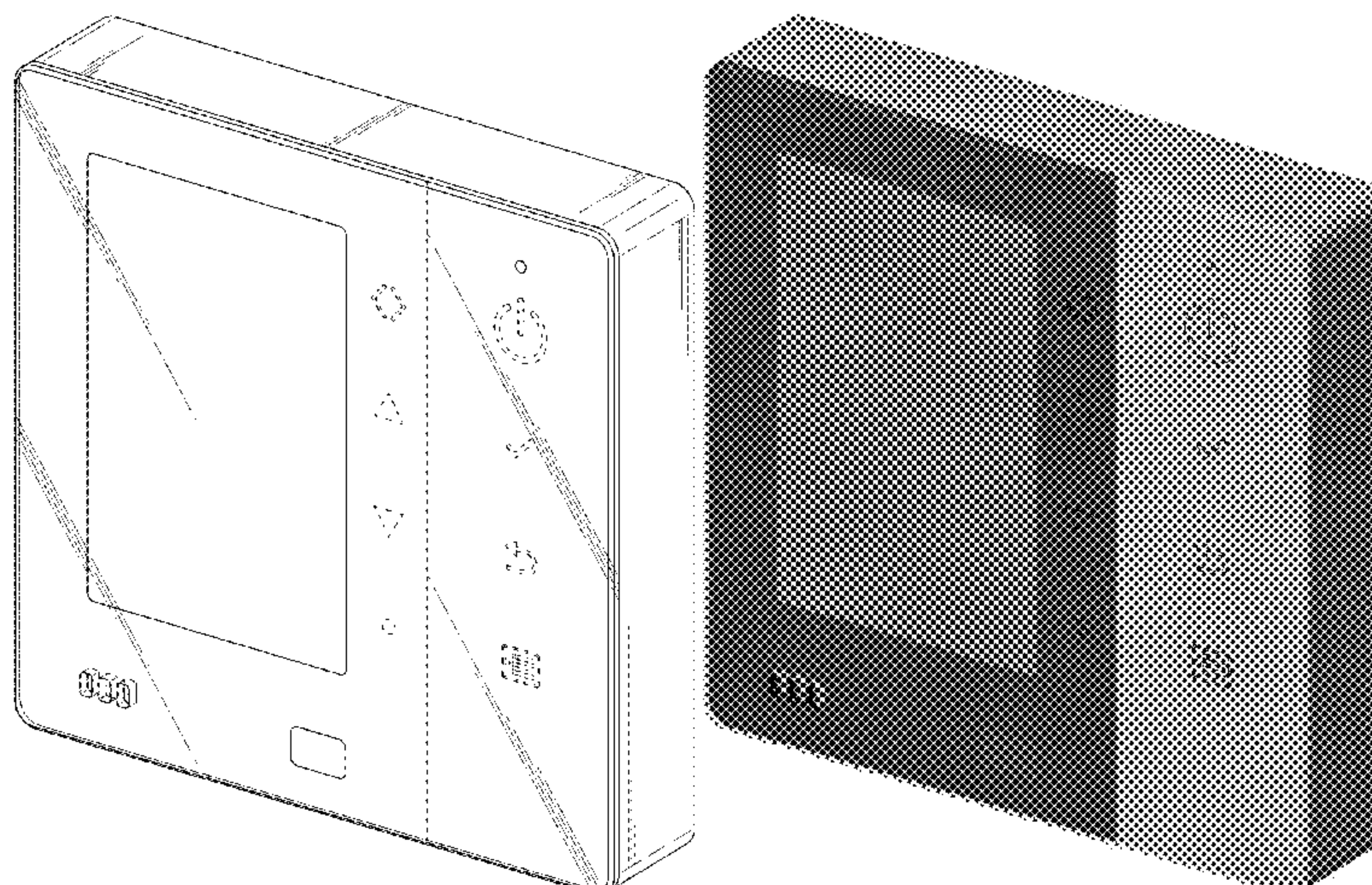
(57) **CLAIM**

The ornamental design for a remote controller for air con-
ditioner, as shown and described.

DESCRIPTION

FIG. 1. is a perspective view of the front, right, and top sides
of a remote controller for air conditioner showing a first
embodiment of our new design;
FIG. 2. is a front view thereof;
FIG. 3. is a rear view thereof;
FIG. 4. is a right side view thereof; a left side view being a
minor image;
FIG. 5. is a top plan view thereof;
FIG. 6. is a bottom view thereof;
FIG. 7. is an end view of cutting part at 7-7 of FIG. 2, with
the internal system omitted;
FIG. 8. is a perspective view of the front, right, and top sides
of a remote controller for air conditioner showing a second
embodiment of our new design;
FIG. 9. is a front view thereof;
FIG. 10. is a rear view thereof;
FIG. 11. is a right side view thereof; a left side view being
a minor image;
FIG. 12. is a top plan view thereof, and,
FIG. 13. is a bottom view thereof.

(Continued)



The broken lines shown represent portions of the remote controller for air conditioner and form no part of the claimed design.

1 Claim, 13 Drawing Sheets

(56) References Cited

U.S. PATENT DOCUMENTS

D710,313 S * 8/2014 Charleux D13/168
D733,591 S * 7/2015 Golden D10/50
D737,697 S * 9/2015 Bhattacharya D10/50
D742,335 S * 11/2015 Yamaguchi D10/49
D743,916 S * 11/2015 Sakai D13/168
D755,734 S * 5/2016 Kashimoto D13/168
9,423,146 B2 * 8/2016 Bruce G05D 22/02
9,488,380 B2 * 11/2016 Ino G08C 17/02
D780,130 S * 2/2017 Kashimoto D13/168

D780,131 S * 2/2017 Kashimoto D13/168
D820,793 S * 6/2018 Arai D10/50
D850,415 S * 6/2019 Kashimoto D14/218
D920,261 S * 5/2021 Isshiki D10/50
D939,454 S * 12/2021 Yang D10/50
D942,283 S * 2/2022 Anno D14/218
D952,476 S * 5/2022 Jhun D10/50
2012/0193437 A1 * 8/2012 Henry, Jr. G05D 23/1905
236/51
2014/0203091 A1 * 7/2014 Nair G05D 23/1905
236/51
2015/0354848 A1 * 12/2015 Abel F24F 11/46
236/1 C
2021/0372645 A1 * 12/2021 Harder F24F 11/52

OTHER PUBLICATIONS

Amazon.com, Honeywell T4 Pro Programmable Thermostat, Apr. 10, 2018.*

* cited by examiner

Fig.1

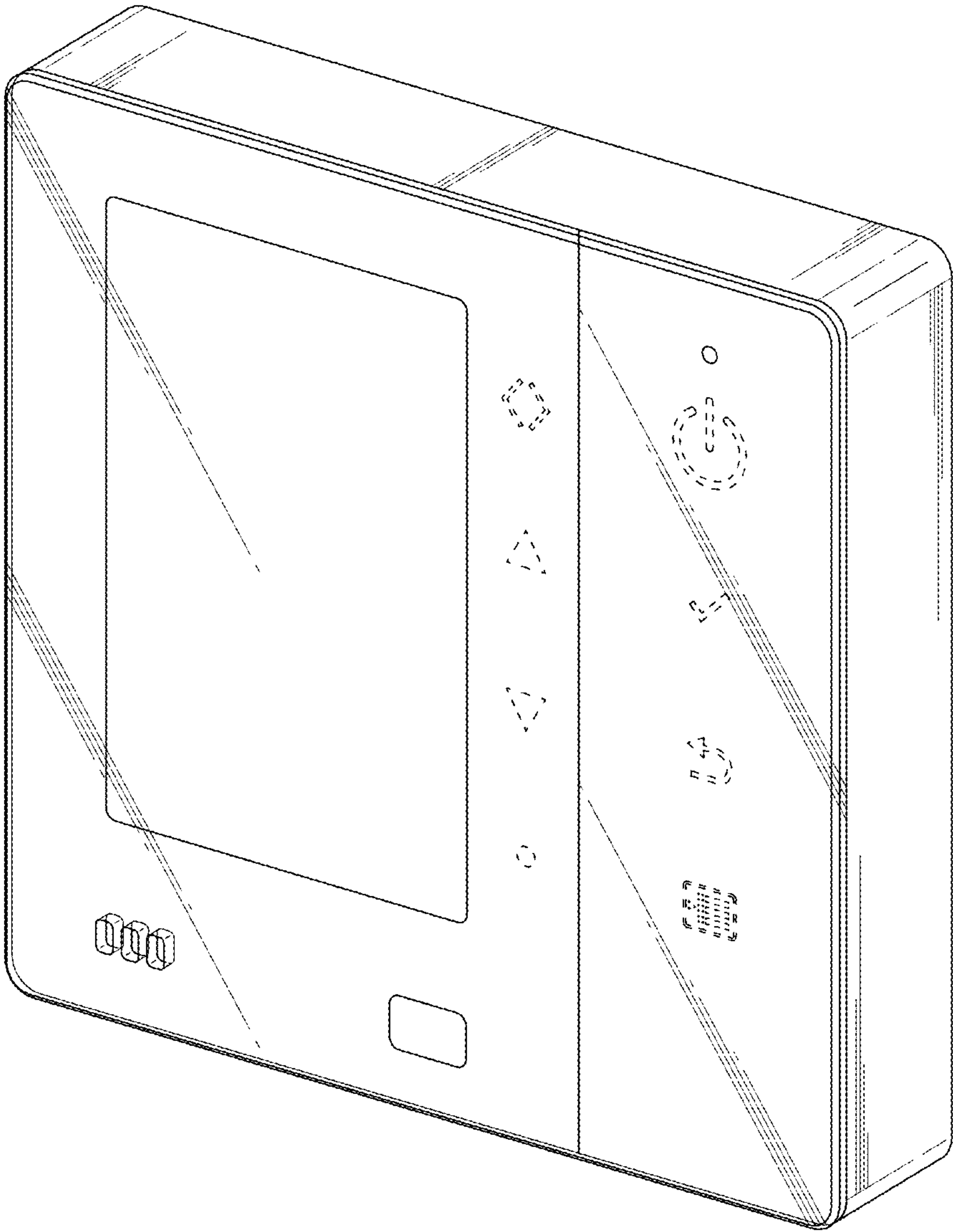


Fig.2

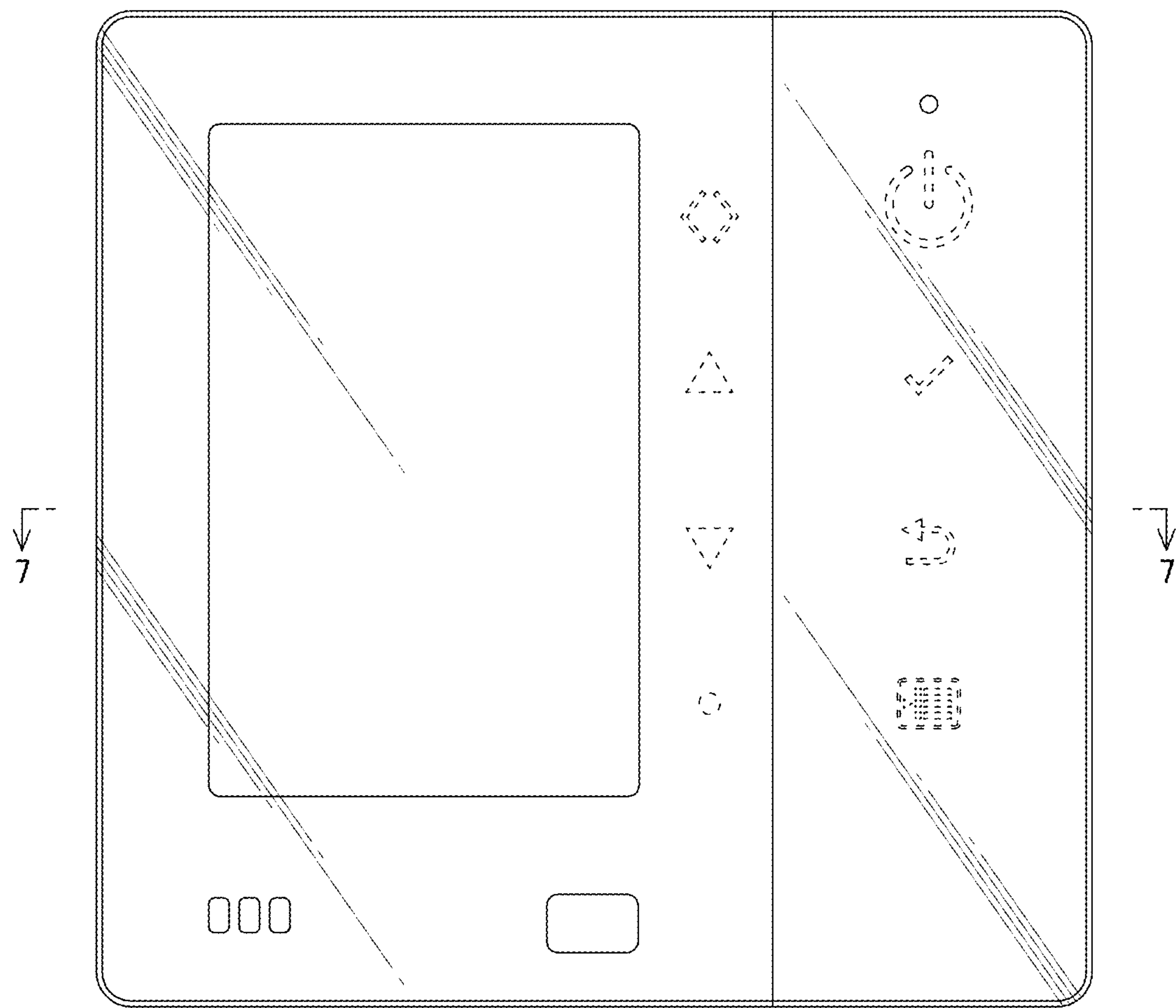


Fig.3

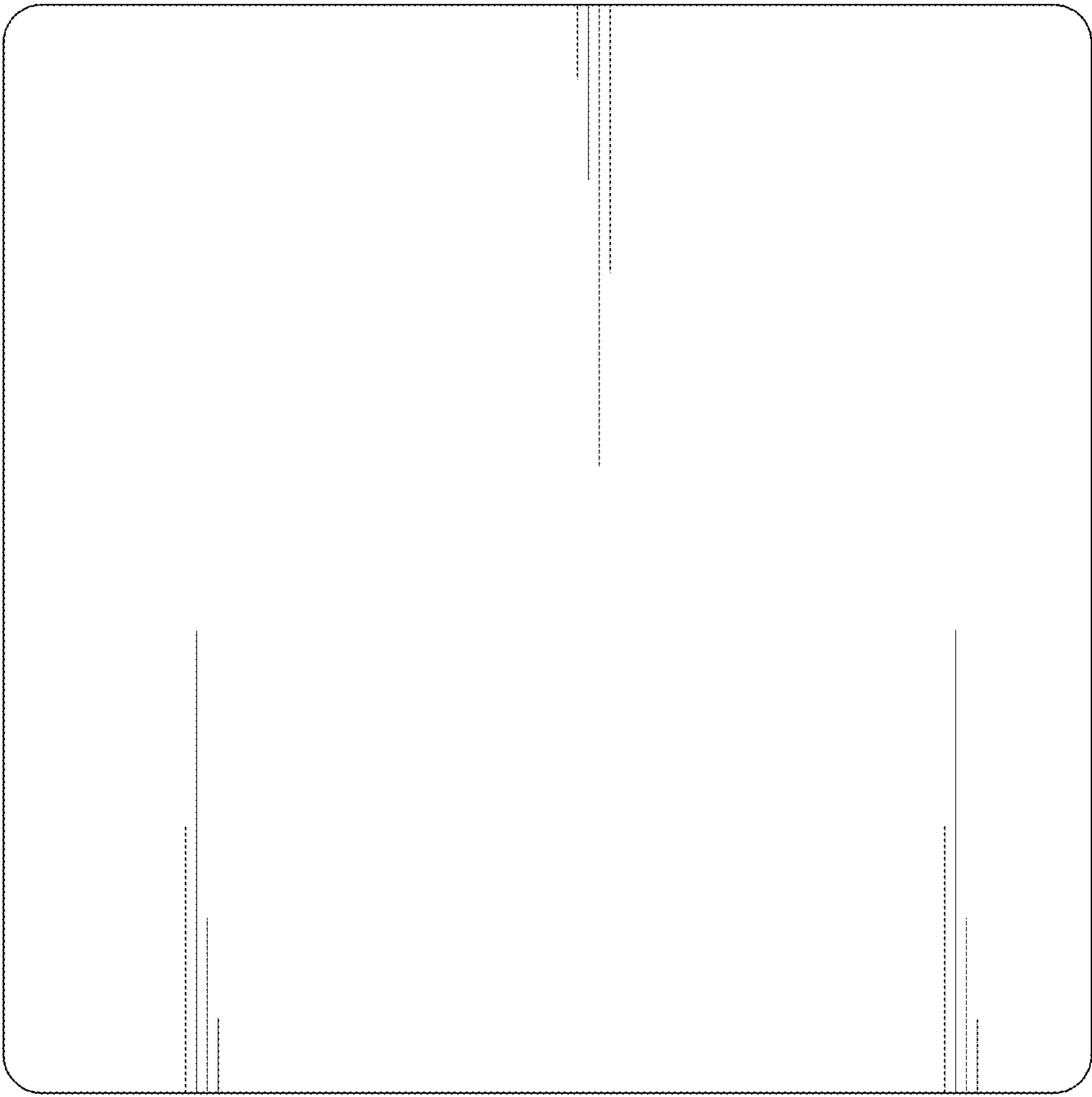


Fig.4

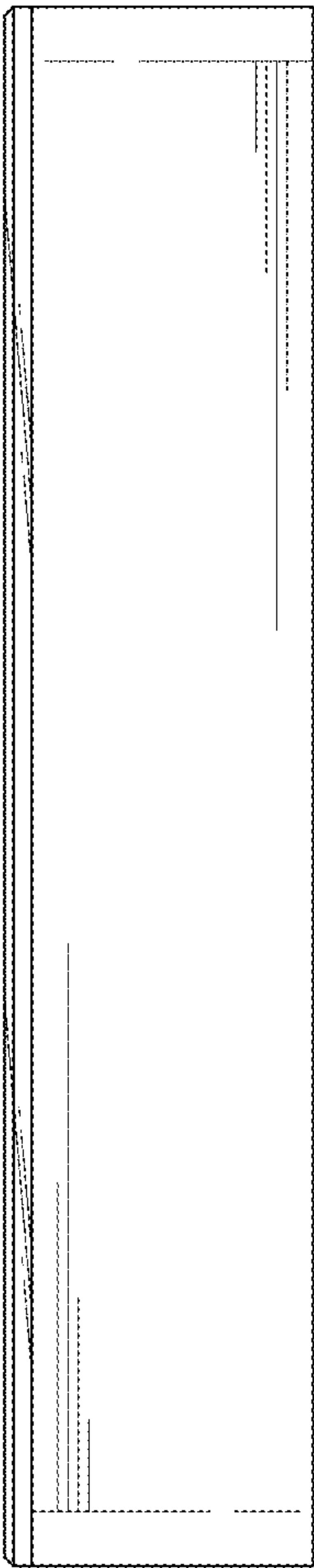


Fig.5

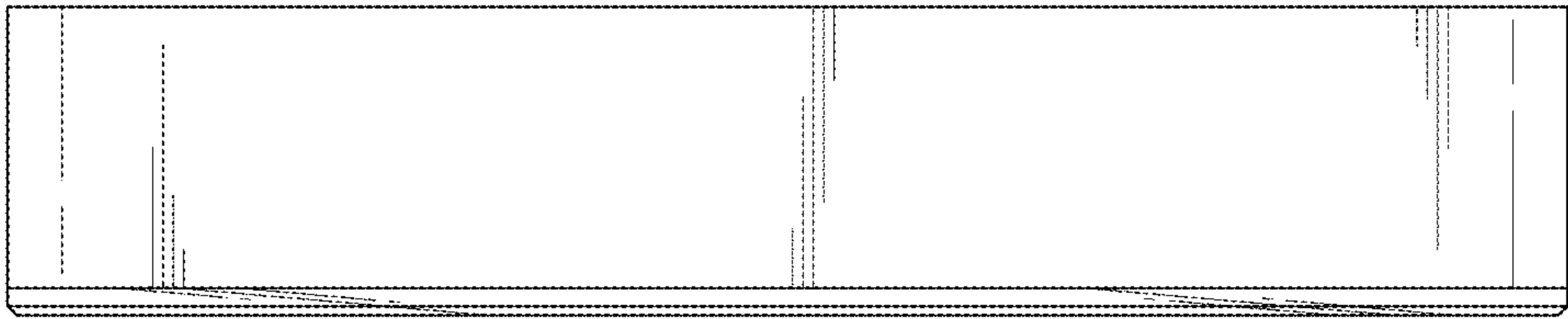


Fig.6

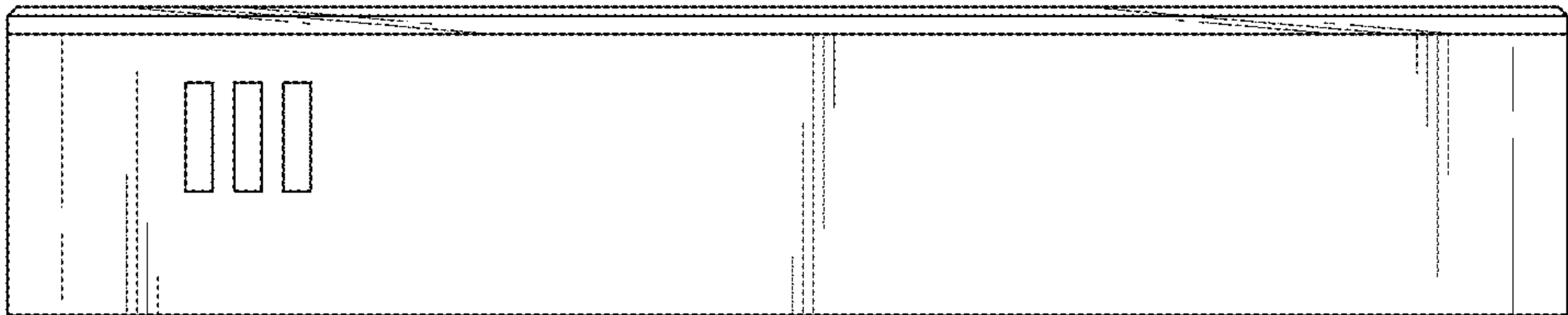


Fig.7

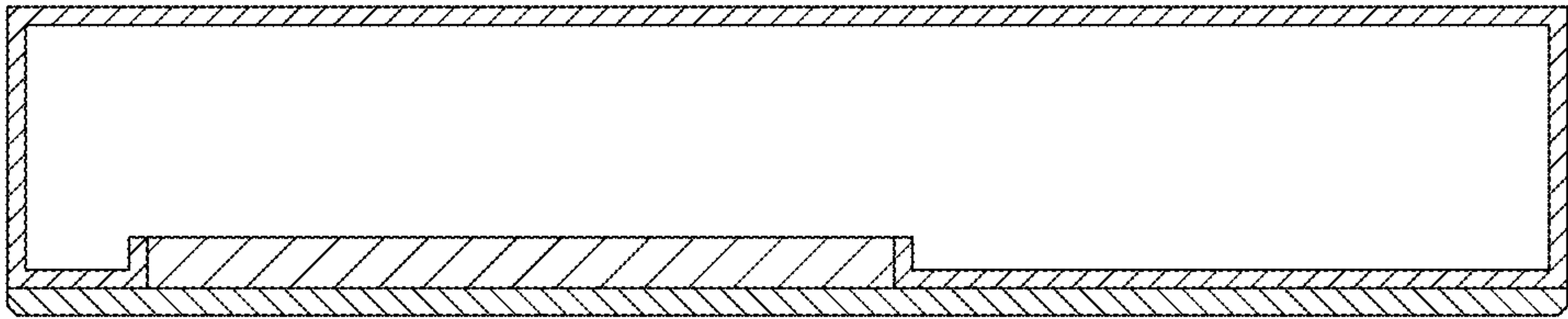


Fig.8

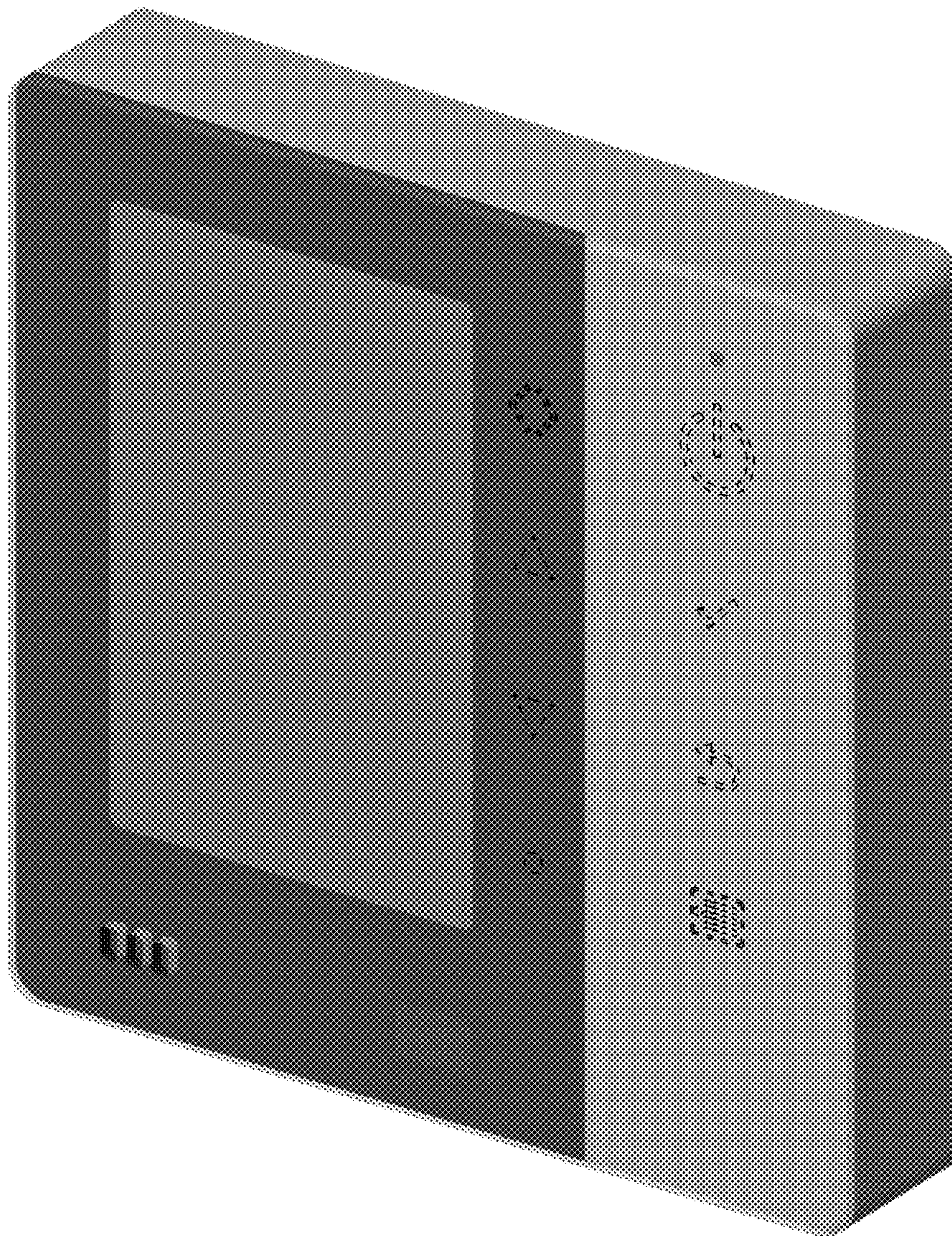


Fig.9

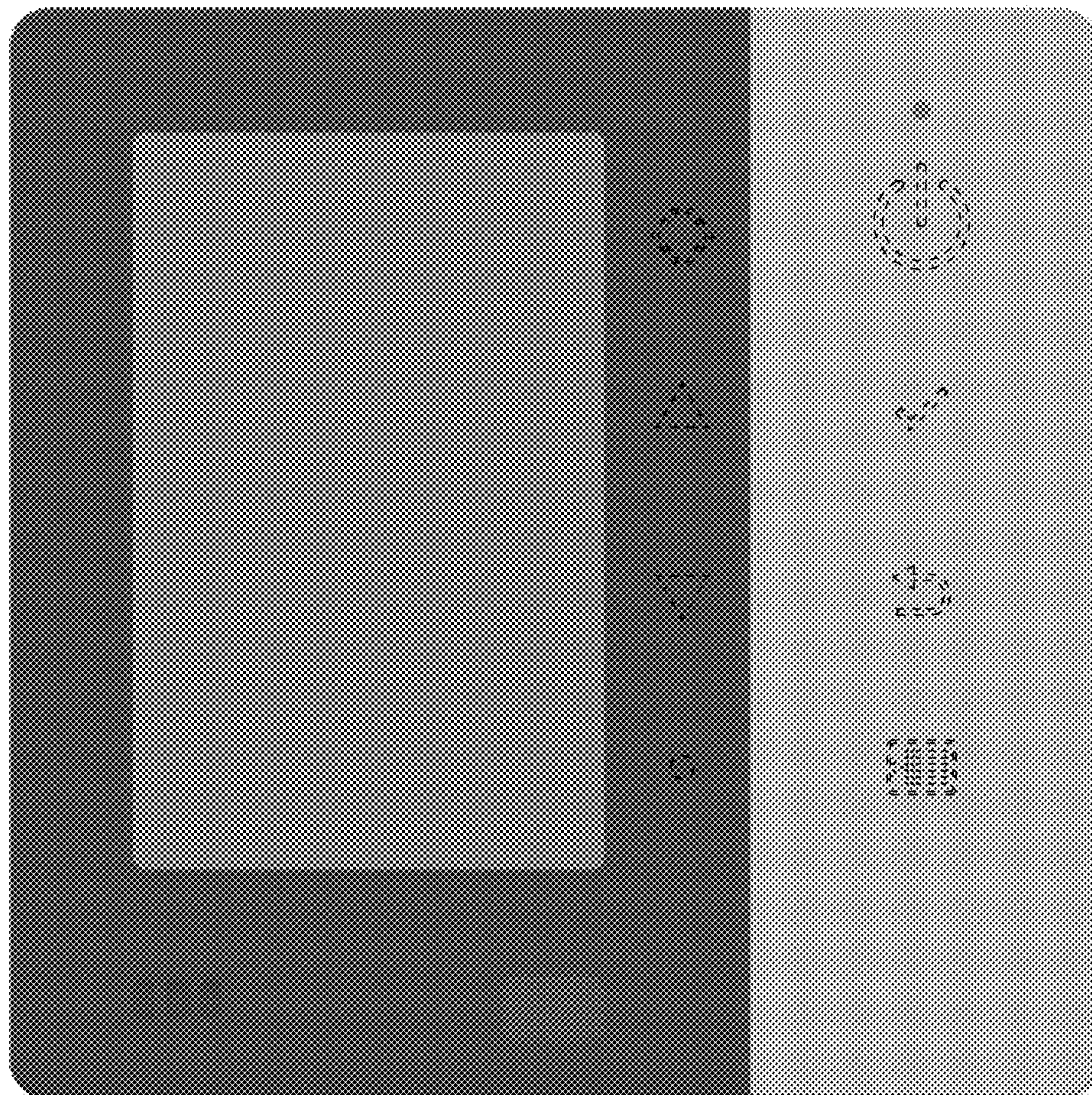


Fig.10

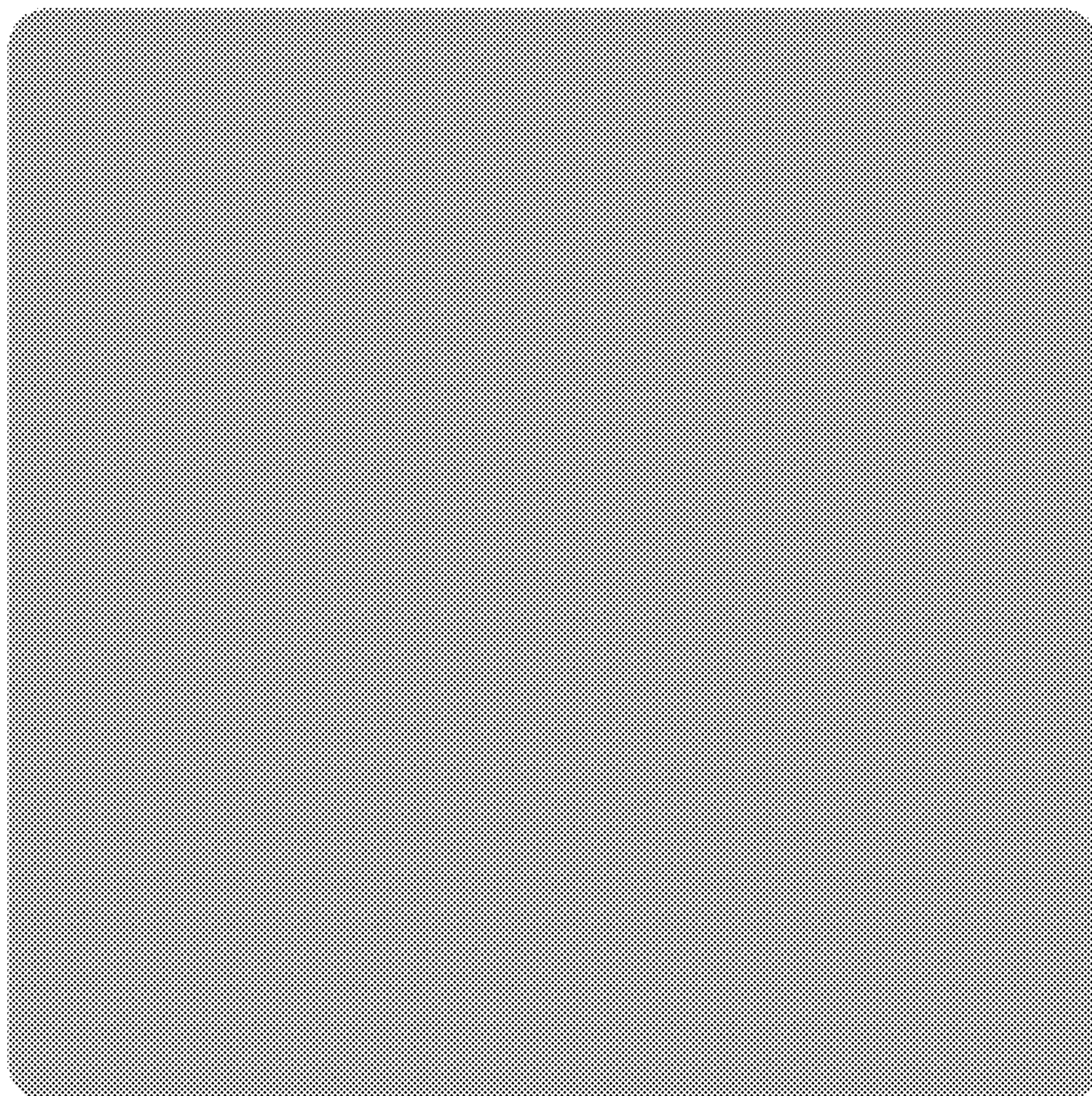


Fig.11

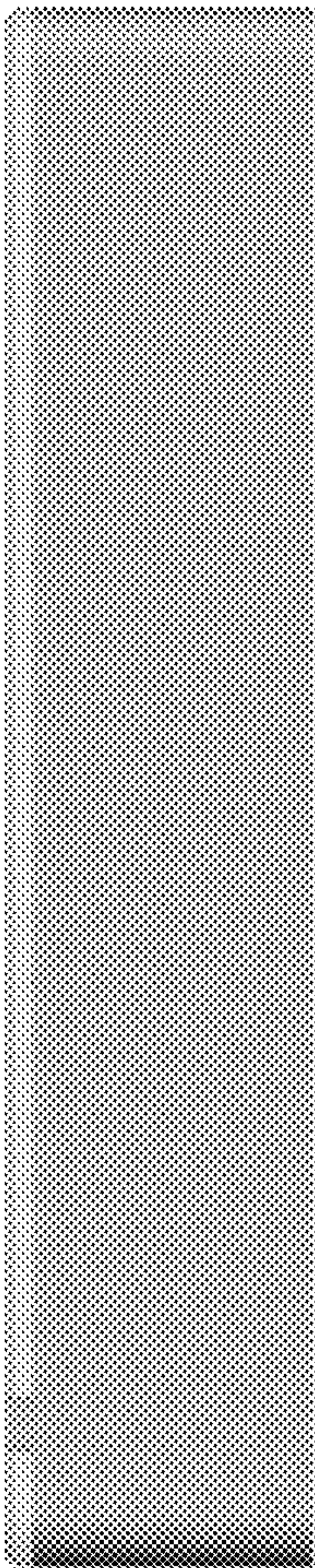


Fig.12

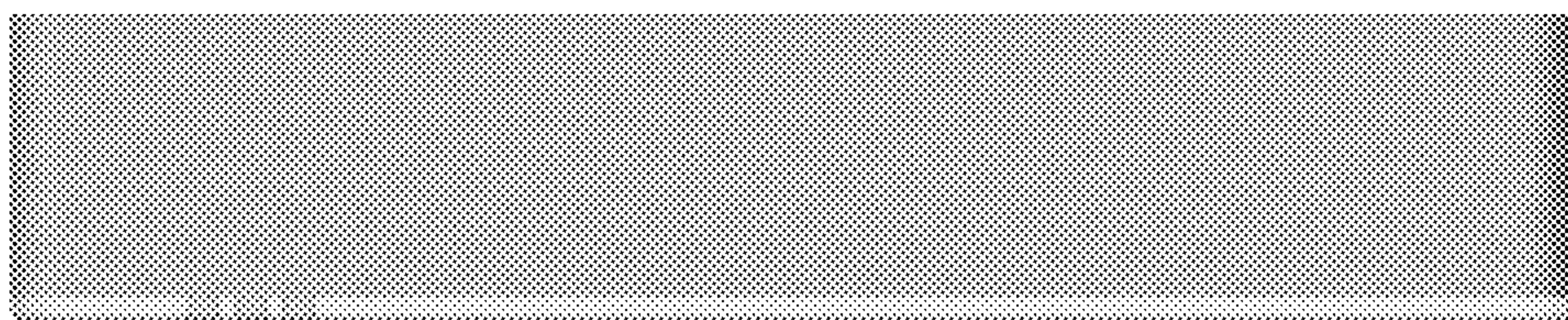


Fig.13

