



US00D888918S

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

(10) **Patent No.:** **US D888,918 S**
(45) **Date of Patent:** **** Jun. 30, 2020**

(54) **MINI-HUMIDIFIER**
(71) Applicant: **MIRO CO., LTD.**, Incheon (KR)
(72) Inventors: **Dong Jin Seo**, Incheon (KR); **Yong Ju Oh**, Incheon (KR); **Min Seok Kim**, Incheon (KR)
(73) Assignee: **MIRO CO., LTD.**, Incheon (KR)
(**) Term: **15 Years**
(21) Appl. No.: **29/677,545**
(22) Filed: **Jan. 22, 2019**
(30) **Foreign Application Priority Data**

Jul. 19, 2018 (KR) 30-2018-0033554

(51) **LOC (12) Cl.** **23-04**
(52) **U.S. Cl.**
USPC **D23/356**

(58) **Field of Classification Search**
USPC D23/355–366, 352, 369, 332, 333, 335,
D23/336, 342, 351; 422/120, 122;
55/356, 473, 504; 96/97; 261/DIG. 17,
261/DIG. 65, DIG. 88, DIG. 31
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D
47/027; B01D 2221/02; B01D 2259/4508;
B03C 3/155; B03C 3/368; F24F 3/16;
F24F 13/20; F24F 13/28; F24F
2001/0096
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D791,297 S * 7/2017 Ljungstrom D23/364
9,694,369 B2 * 7/2017 Engberg B03C 3/08

D798,430 S * 9/2017 Nord D23/364
D799,016 S * 10/2017 Su D23/364
9,919,252 B2 * 3/2018 Wennerstrom B01D 46/0004
D835,765 S * 12/2018 Chen D23/364
D837,354 S * 1/2019 Su D23/364
D862,673 S * 10/2019 Tang D23/364
D863,524 S * 10/2019 Shin D23/364
D865,148 S * 10/2019 Yoon D23/364
D869,626 S * 12/2019 Reisenberger D23/364
2010/0293981 A1 * 11/2010 Jang F24F 3/14
62/291
2018/0172290 A1 * 6/2018 Zhou F24F 3/153

* cited by examiner

Primary Examiner — David G Muller

(74) *Attorney, Agent, or Firm* — Novick, Kim & Lee,
PLLC; Sang Ho Lee; Hyun Woo Shin

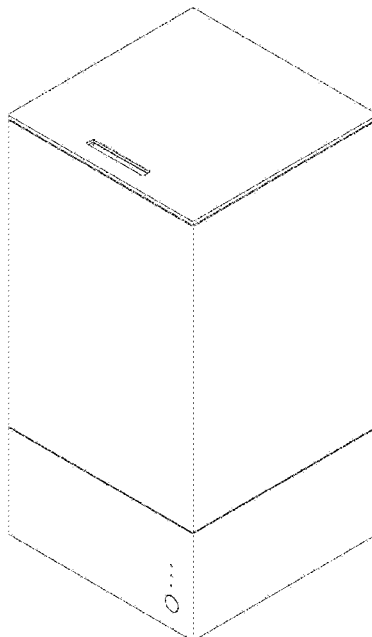
(57) **CLAIM**

We claim the ornamental design for a mini-humidifier, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a mini-humidifier, showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof; and,
FIG. 8 is a reference view thereof showing the mini-humidifier in an open configuration wherein a top cover is removed.

1 Claim, 7 Drawing Sheets



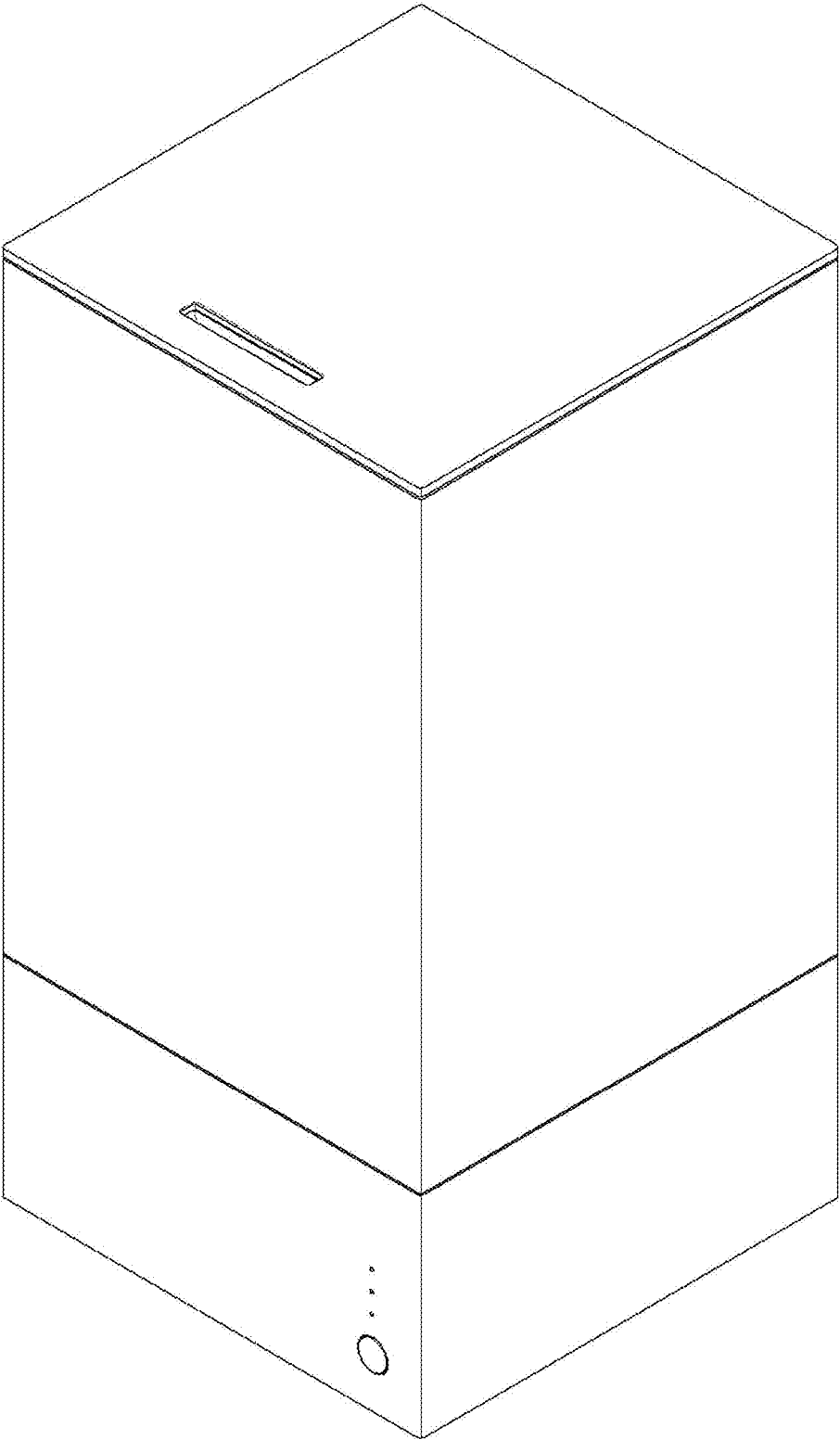


FIG. 1

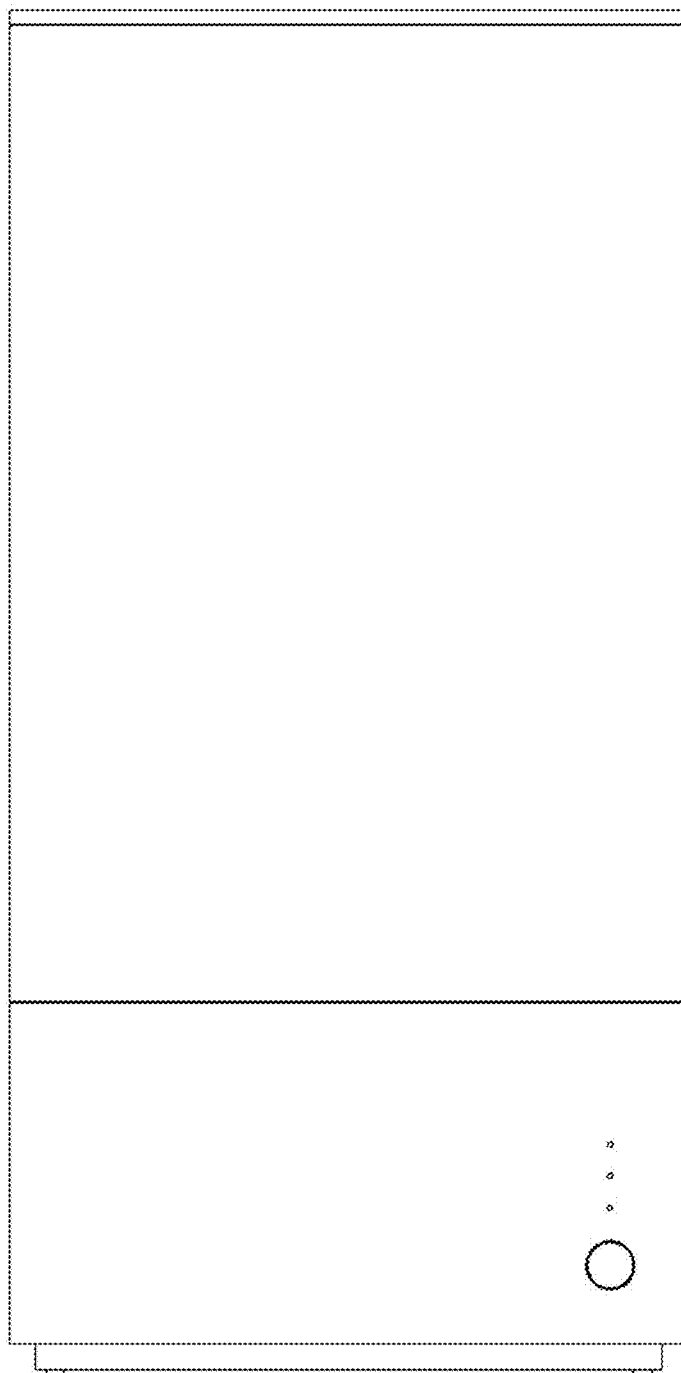


FIG. 2

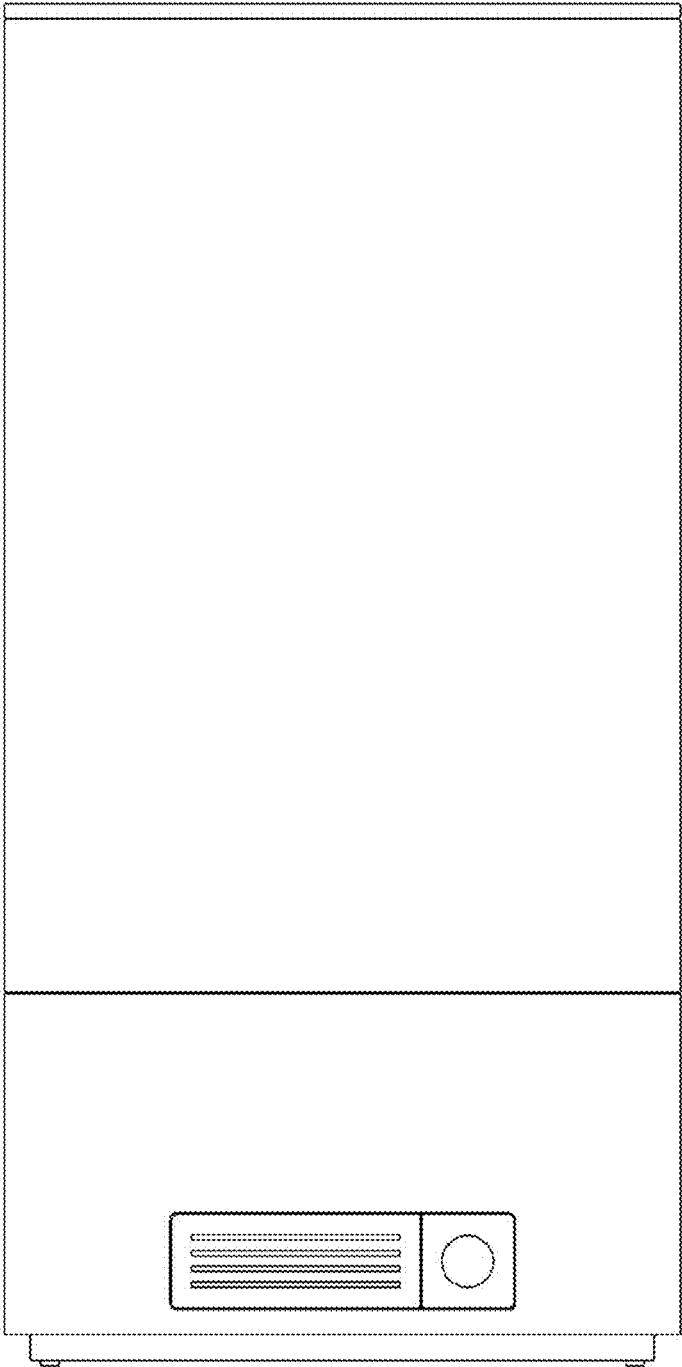


FIG. 3

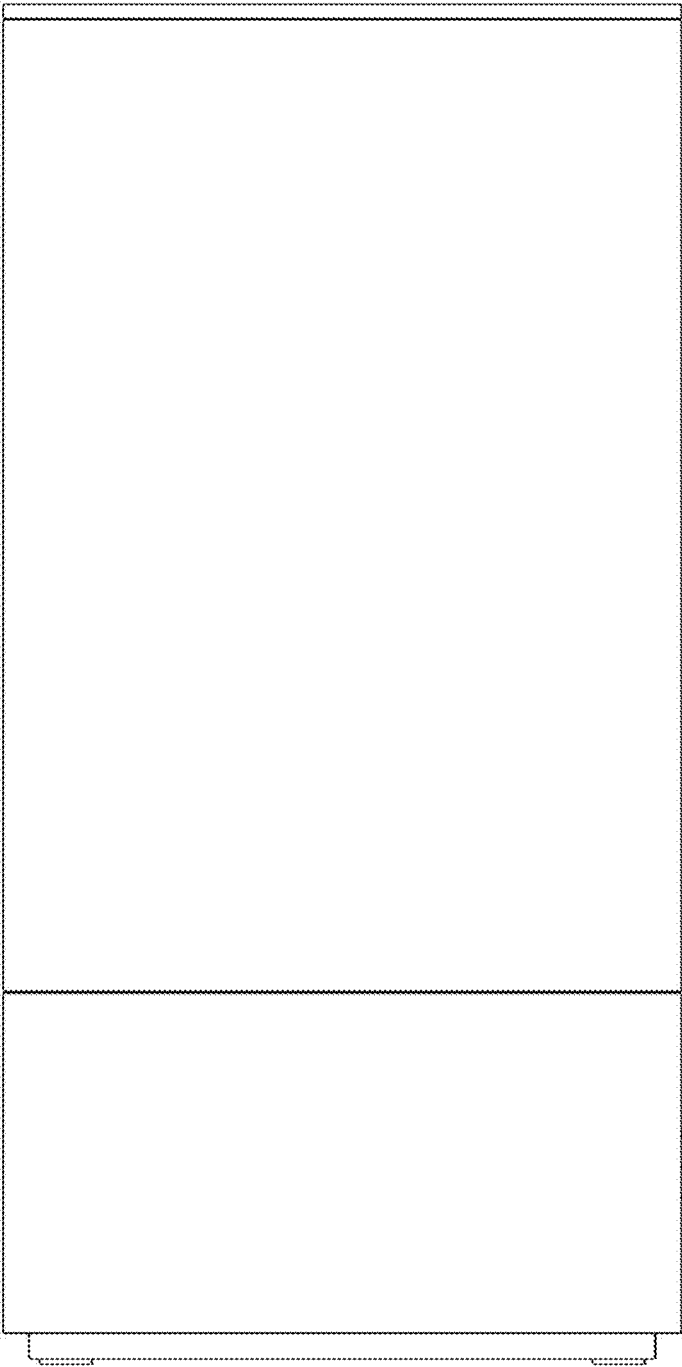


FIG. 4

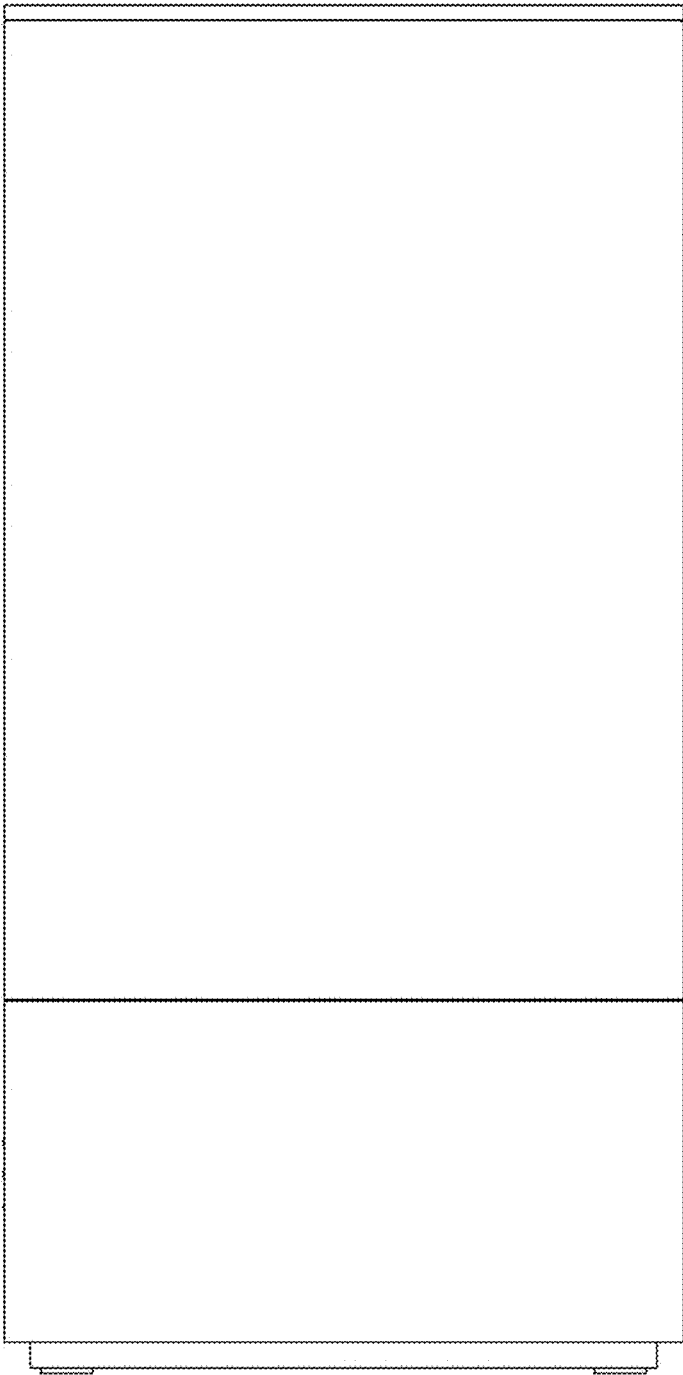


FIG. 5

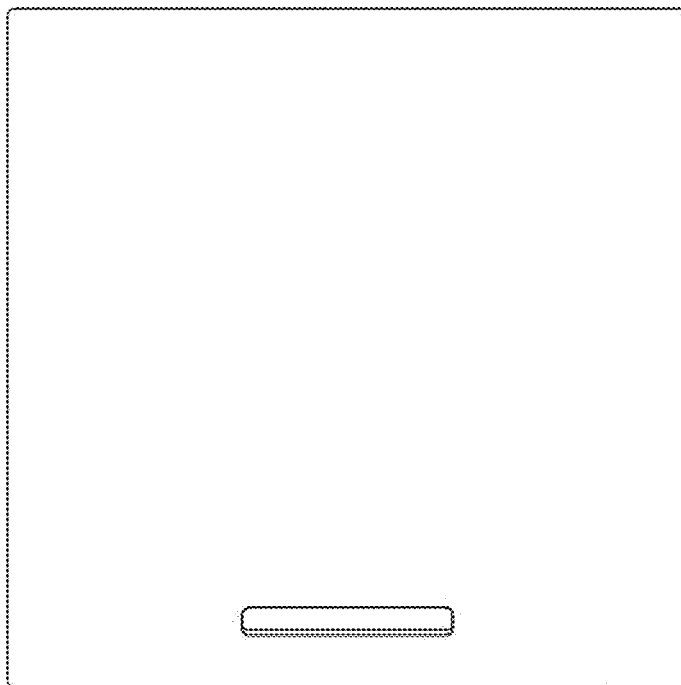


FIG. 6

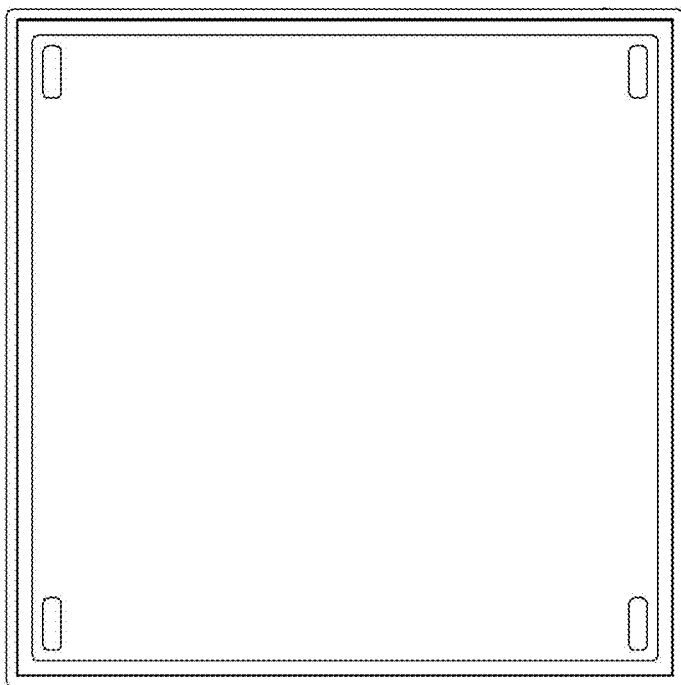


FIG. 7

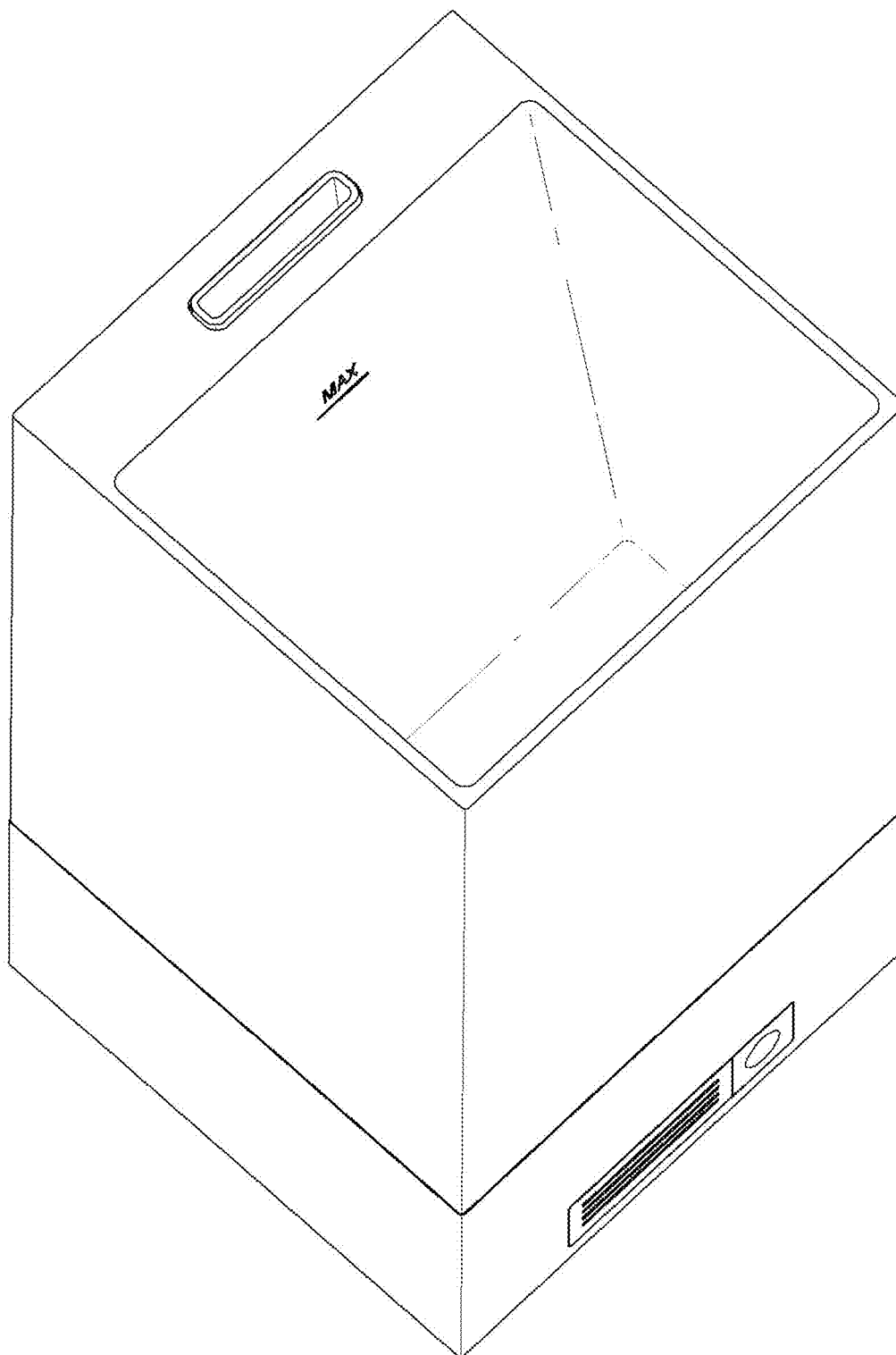


FIG. 8