



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

(10) **Patent No.:** **US D1,001,986 S**
(45) **Date of Patent:** **** Oct. 17, 2023**

- (54) **HUMIDIFIER**
- (71) Applicant: **Coway Co., Ltd.**,
Choongcheongnam-do (KR)
- (72) Inventors: **Jungjae Jeon**, Seoul (KR); **Eung Kyu Park**, Seoul (KR); **Sumin Shin**, Seoul (KR)
- (73) Assignee: **Coway Co., Ltd.**,
Choongcheongnam-Do (KR)

| | | | | | | |
|----------|---|---|---------|----------|-------|------------|
| D612,036 | S | * | 3/2010 | Ching | ..... | D23/365 |
| D655,804 | S | * | 3/2012 | Platt | ..... | D23/365 |
| D692,543 | S | * | 10/2013 | Gorman | ..... | D23/365 |
| D725,760 | S | * | 3/2015 | Nakagawa | ..... | D23/365 |
| D782,636 | S | * | 3/2017 | Woo | ..... | D23/333 |
| D814,007 | S | * | 3/2018 | Storz | ..... | D23/359 |
| D842,445 | S | * | 3/2019 | Shimizu | ..... | D23/365 |
| D900,984 | S | * | 11/2020 | Lee | ..... | F24F 11/30 |
| | | | | | | D23/333 |
| D901,653 | S | * | 11/2020 | Lee | ..... | F24F 11/30 |
| | | | | | | D23/333 |

(Continued)

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

(21) Appl. No.: **29/807,687**

(22) Filed: **Sep. 14, 2021**

(30) **Foreign Application Priority Data**

Mar. 16, 2021 (KR) 30-2021-0012596

(51) **LOC (14) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/356**

(58) **Field of Classification Search**
USPC D23/333, 355-360, 362-368, 378
CPC F24F 2006/001; F24F 2006/003; F24F
2006/006; F24F 2006/008; F24F 13/08;
F24F 13/02; F24F 6/02; F24F 8/30; F24F
8/80; F24F 221/12

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

| | | | | | | |
|-----------|---|---|--------|---------|-------|------------|
| D180,658 | S | * | 7/1957 | Jackes | ..... | D23/336 |
| D269,292 | S | * | 6/1983 | McGaw | ..... | D23/366 |
| D280,128 | S | * | 8/1985 | Doyle | ..... | D23/364 |
| 4,822,533 | A | * | 4/1989 | Steiner | ..... | F24F 6/043 |
| | | | | | | 261/104 |
| D307,179 | S | * | 4/1990 | Cole | ..... | D23/368 |
| D358,636 | S | * | 5/1995 | Bucher | ..... | D23/335 |

OTHER PUBLICATIONS

Venta LW25 Original Humidifier White, earliest review posted [Jan. 1, 2016] [online], retrieved [Apr. 5, 2023]. Retrieved from internet, <https://www.amazon.com/dp/B00C6LDP30/> (Year: 2016).*

Primary Examiner — Sharon S Oum
Assistant Examiner — Dasia Keanna Gregg
(74) *Attorney, Agent, or Firm* — MILLEN, WHITE, ZELANO & BRANIGAN, P.C.; William Nixon

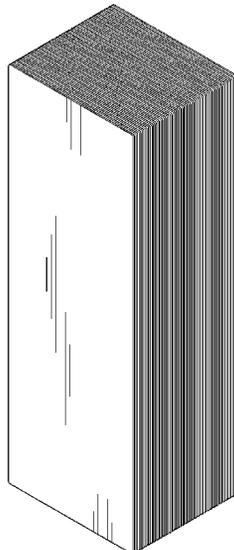
(57) **CLAIM**

The ornamental design for a humidifier, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a 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.
The broken lines shown throughout the views depict unclaimed portions of the humidifier and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D901,655 S * 11/2020 Lee F24F 11/30
D23/333
D909,548 S * 2/2021 Lee F24F 11/30
D23/333
D910,154 S * 2/2021 Lee F24F 11/30
D23/333
D912,235 S * 3/2021 Lee D23/364
D930,803 S * 9/2021 Zuberbuehler D23/364
D956,197 S * 6/2022 Kang D23/364
2012/0071081 A1* 3/2012 Park F24F 12/006
454/252
2016/0106008 A1* 4/2016 Cotton H05K 7/20836
62/304
2016/0348929 A1* 12/2016 Lee F24F 6/04
2019/0257533 A1* 8/2019 Tak F24F 11/00
2022/0115678 A1* 4/2022 Staeck B01D 65/003
2022/0297511 A1* 9/2022 Liu F24F 8/158

* cited by examiner

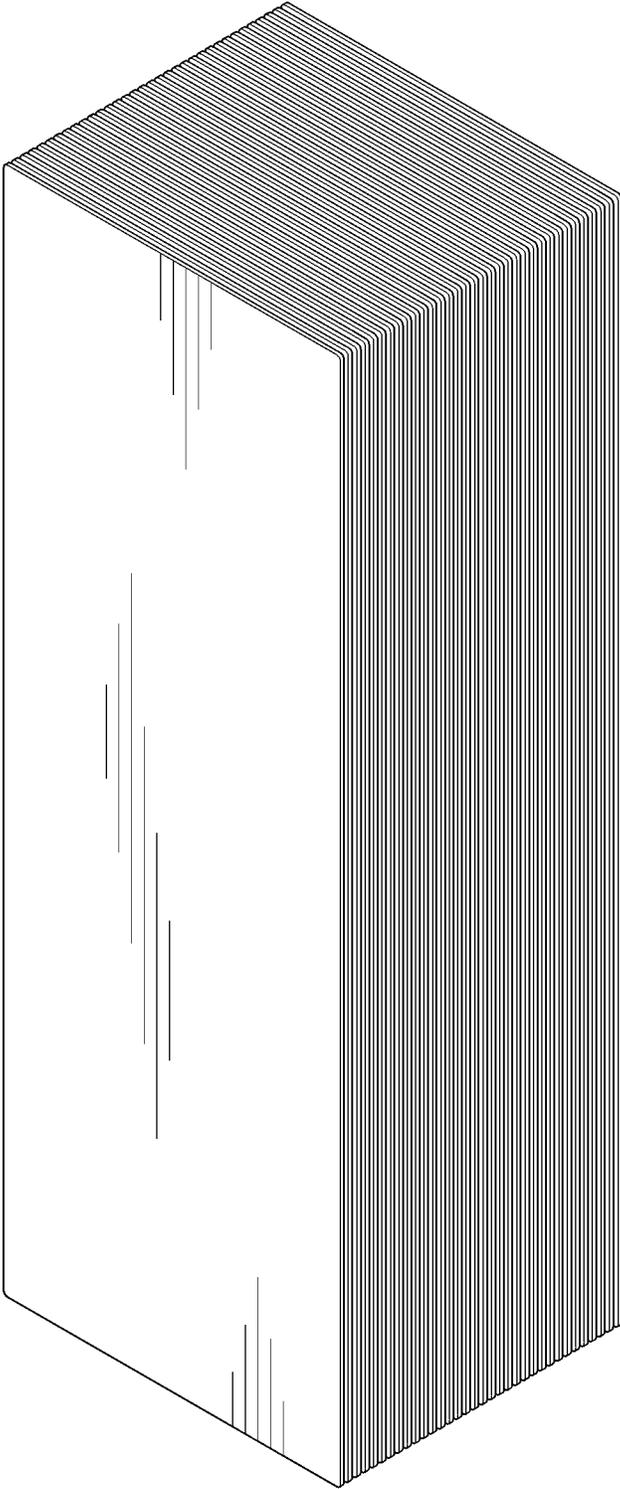


FIG. 1

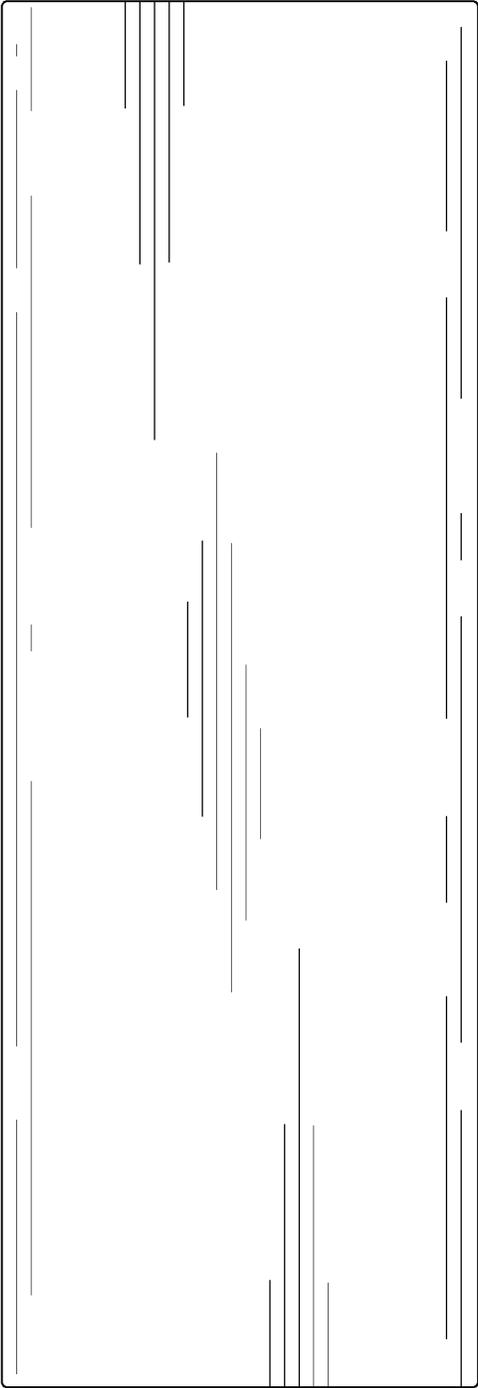


FIG. 2

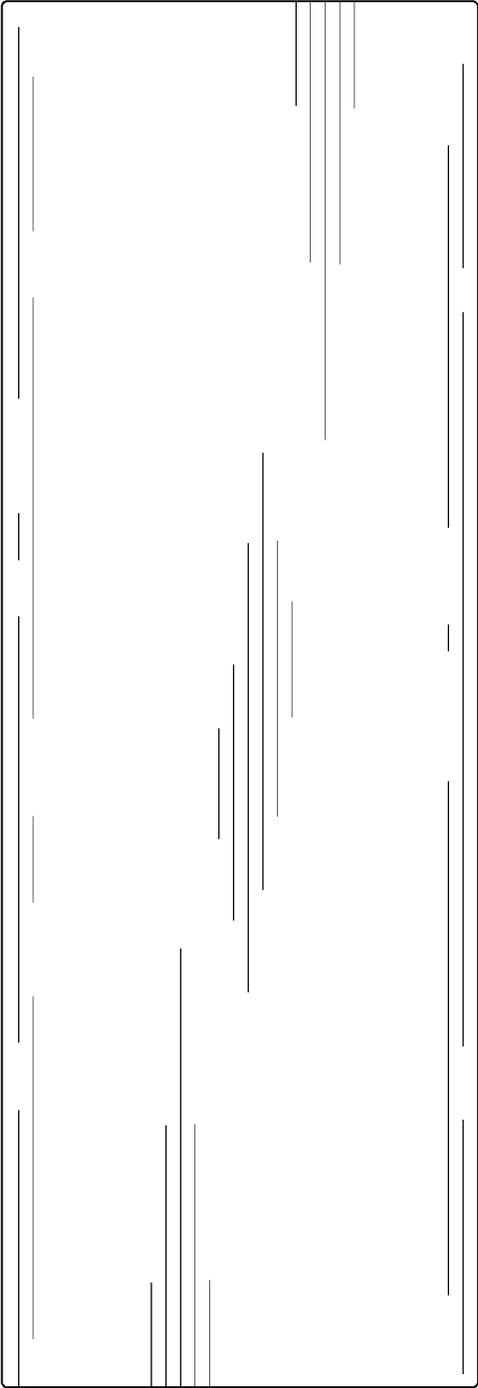


FIG. 3

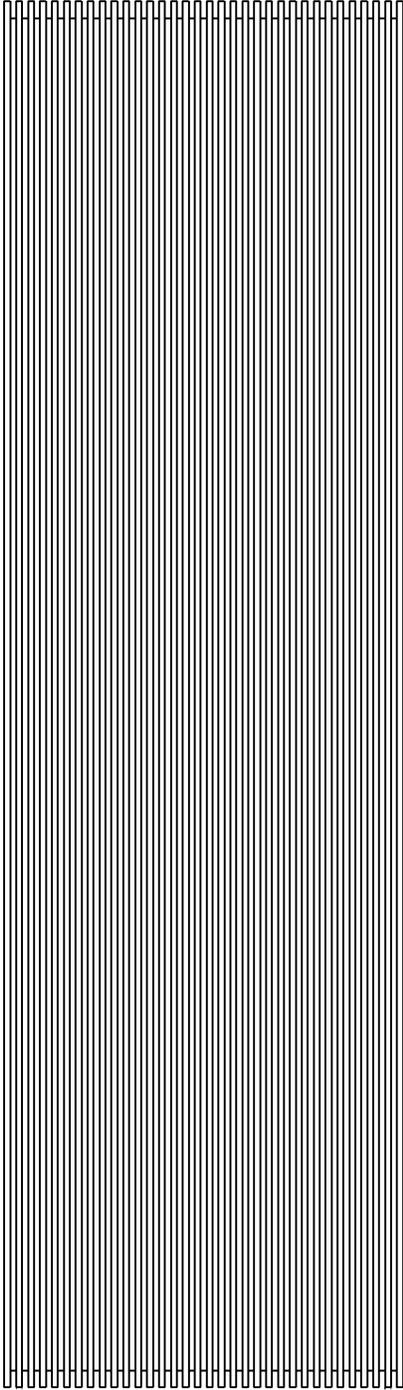


FIG. 4

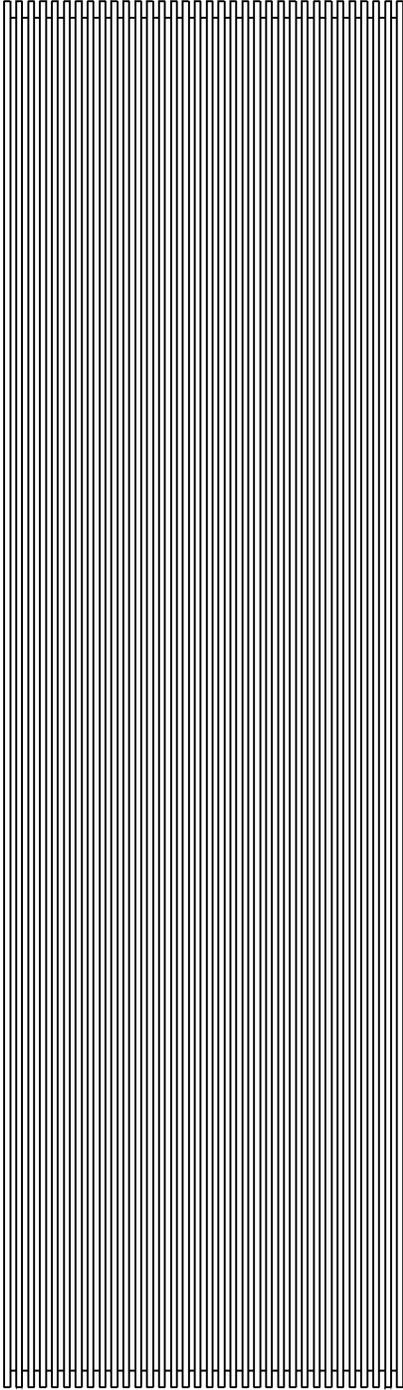


FIG. 5

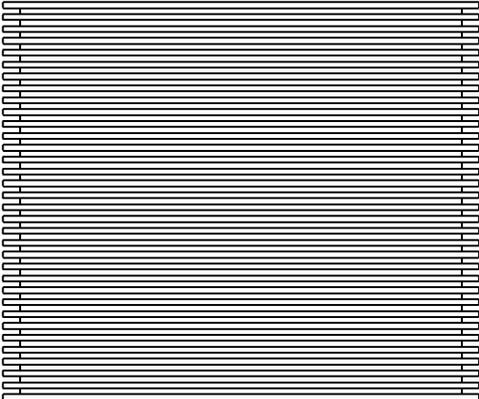


FIG. 6

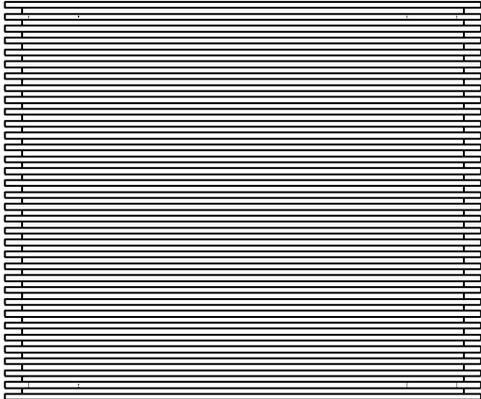


FIG. 7