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(12) **United States Design Patent** (10) **Patent No.:** **US D1,089,597 S**
Woo (45) **Date of Patent:** **** Aug. 19, 2025**

(54) **PORTABLE AIR CLEANER**

OTHER PUBLICATIONS

(71) Applicant: **Hanon Systems**, Daejeon (KR)

[LeitzWorld], available in youtube.com, announced Apr. 8, 2021 [online], [site visited Sep. 5, 2024], Internet URL: https://www.youtube.com/watch?v=a2_saoCk8dM (Year: 2021).*
[DHLifeLabs], available in amazon.com, announced Apr. 15, 2024 [online], [site visited Sep. 5, 2024], Internet URL: <https://www.amazon.com/Purifiers-Purifier-Allergies-Eliminates-Deodorize/dp/B0D1QYNPY6/> (Year: 2024).*

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

* cited by examiner

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(30) **Foreign Application Priority Data**

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(51) **LOC (15) Cl.** **23-04**

(52) **U.S. Cl.** **D23/364**
USPC **D23/364**

(58) **Field of Classification Search**

USPC D23/355, 357, 361, 362, 363, 364, 365,
D23/366, 368, 369
CPC . F24F 8/10; F24F 8/80; F24F 2110/50; B01D
45/12; B01D 45/14

See application file for complete search history.

(57) **CLAIM**

The ornamental design for a portable air cleaner as shown and described.

DESCRIPTION

(56) **References Cited**

U.S. PATENT DOCUMENTS

D946,732 S * 3/2022 Xu D23/364
D995,587 S * 8/2023 Deng D15/144.2
D1,005,466 S * 11/2023 Zhang D23/356
D1,030,026 S * 6/2024 Su D23/364
D1,034,943 S * 7/2024 Chen D23/366
D1,037,423 S * 7/2024 Chen D23/364
D1,037,424 S * 7/2024 Chen D23/364

FOREIGN PATENT DOCUMENTS

CN 307972838 * 4/2023
CN 308697630 * 6/2024
EM 015008544-0001 * 4/2023
KR 301199023.0000 * 1/2023

FIG. 1 is a perspective view of a portable air cleaner of my new design;

FIG. 2 is a front view of a portable air cleaner of my new design;

FIG. 3 is a rear view of a portable air cleaner of my new design;

FIG. 4 is the left side view of a portable air cleaner of my new design;

FIG. 5 is the right side view of a portable air cleaner of my new design;

FIG. 6 is a top plan view of a portable air cleaner of my new design; and,

FIG. 7 is a bottom view of a portable air cleaner of my new design.

1 Claim, 7 Drawing Sheets

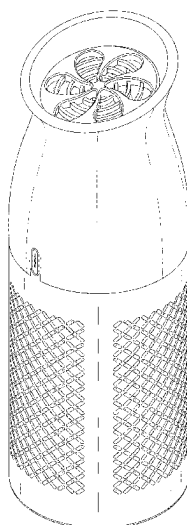


FIG. 1

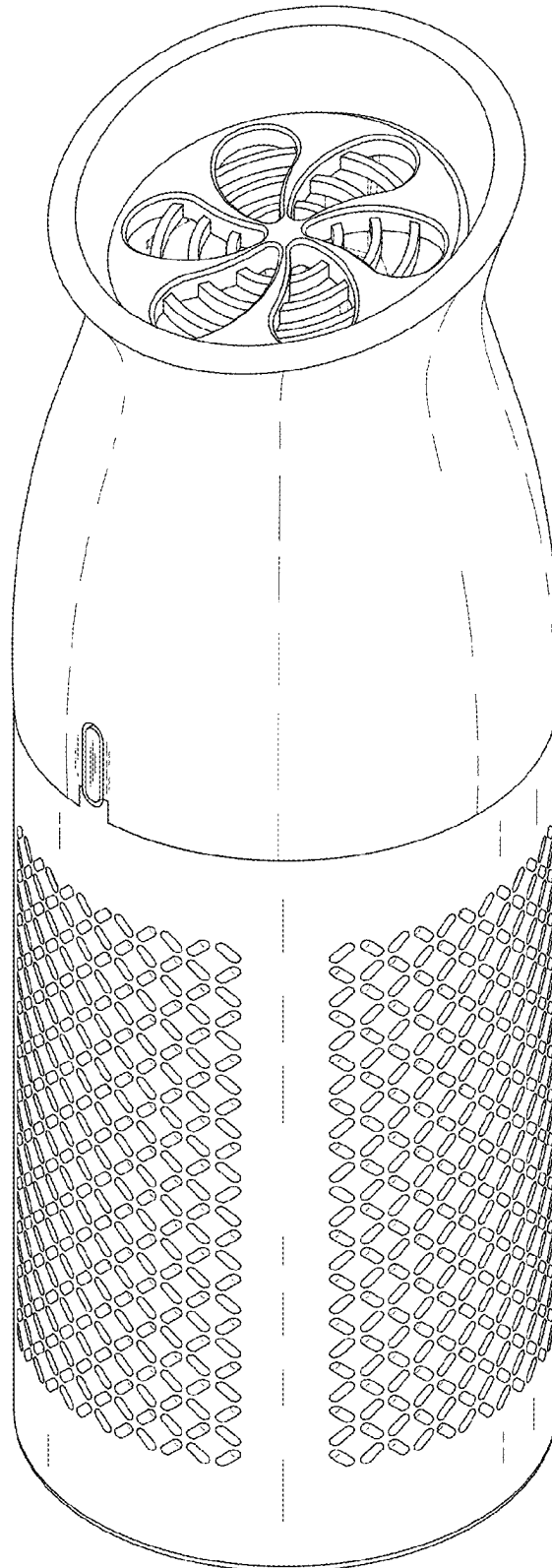


FIG. 2

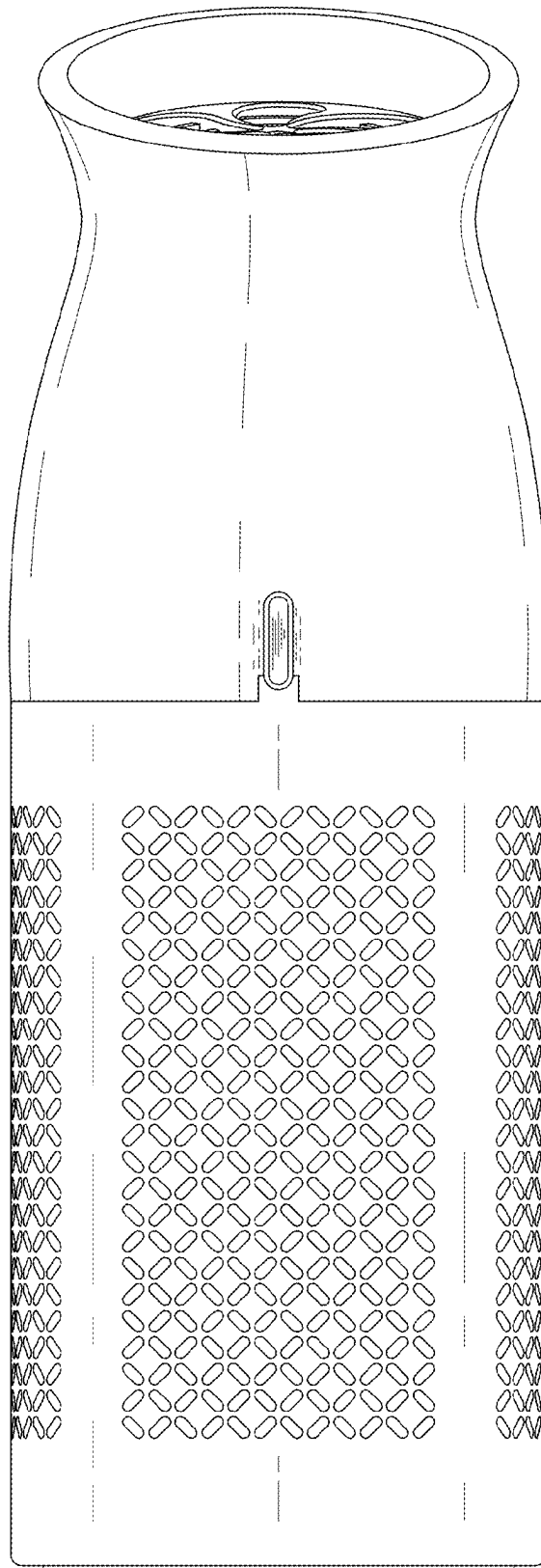


FIG. 3

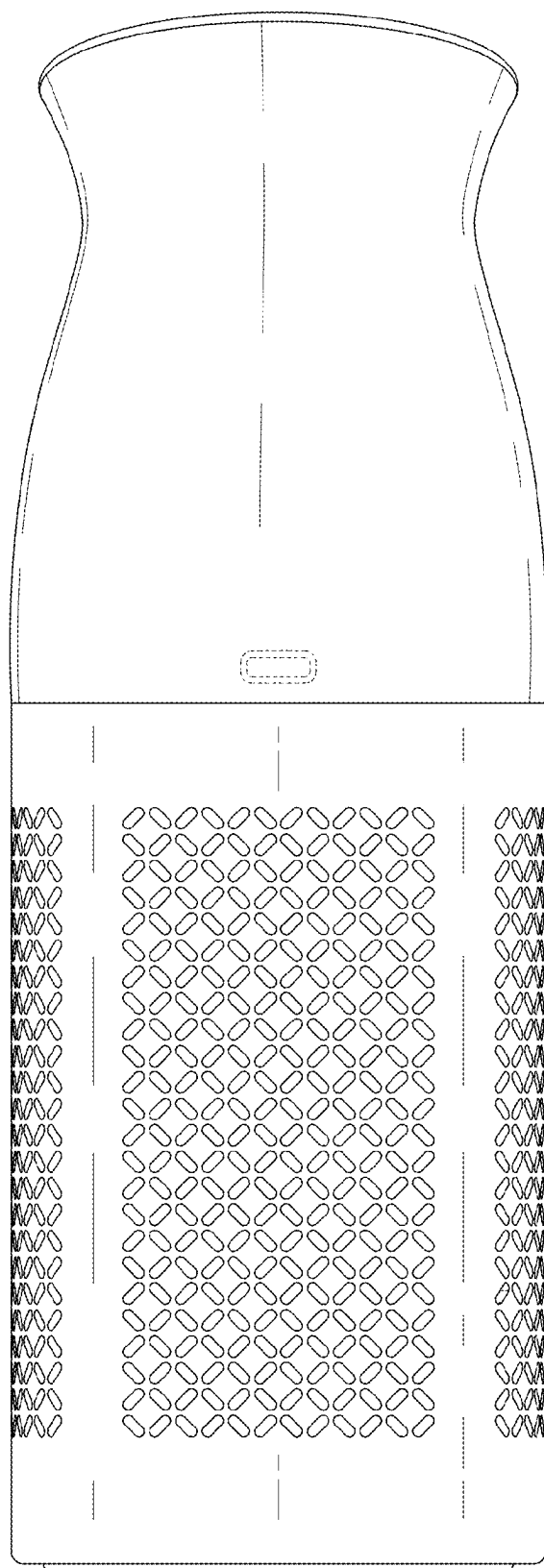


FIG. 4

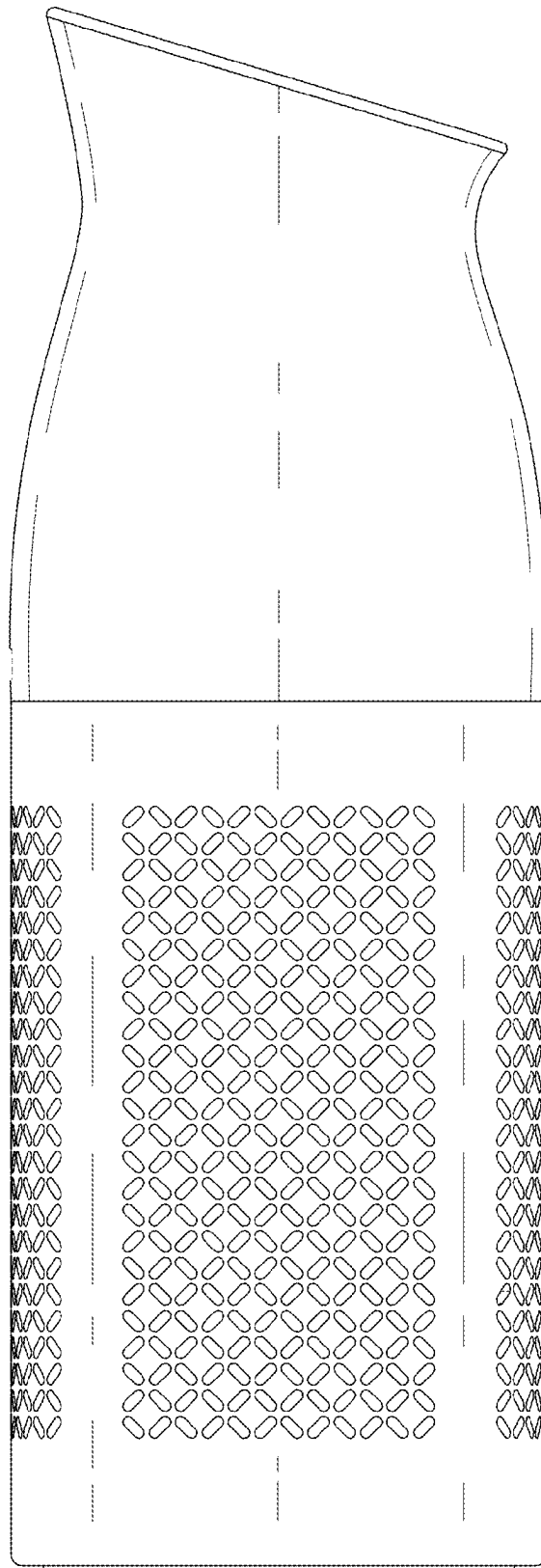


FIG. 5

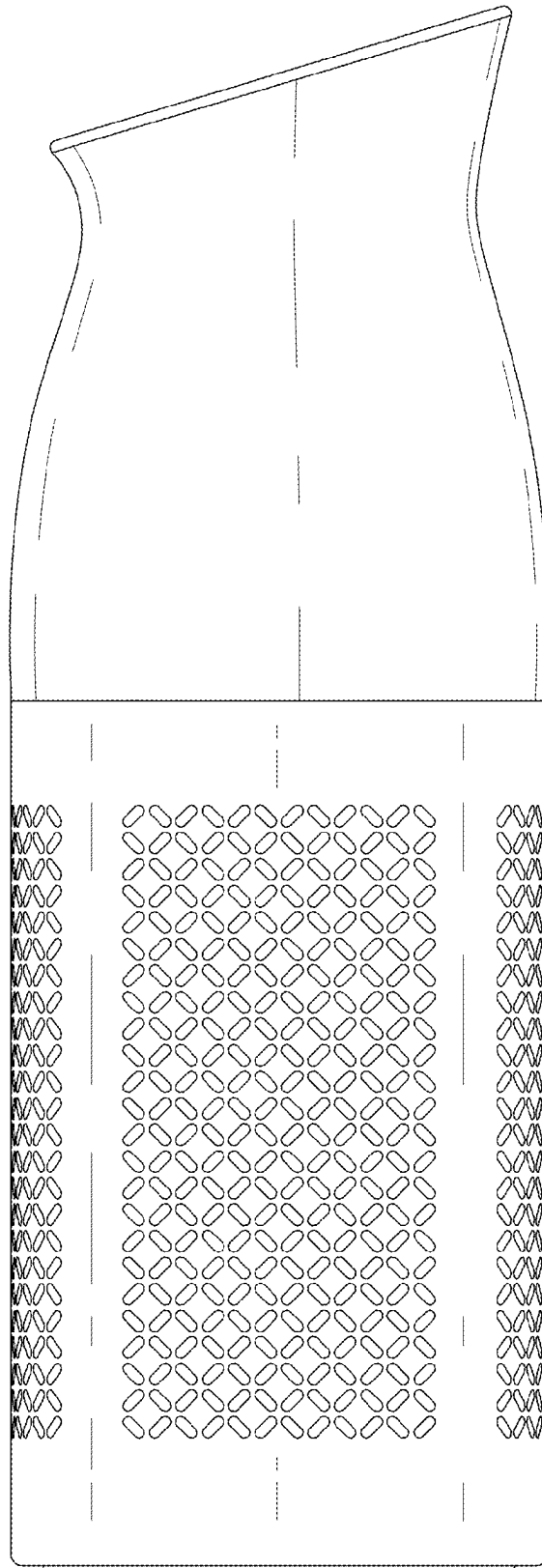


FIG. 6

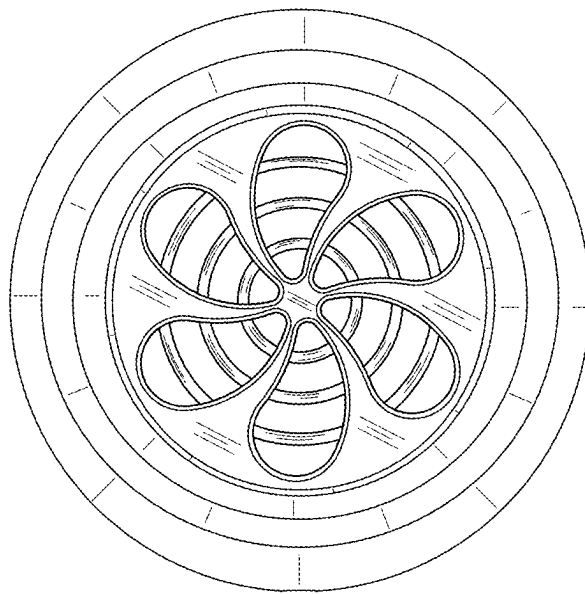


FIG. 7

