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(12) **United States Design Patent** (10) **Patent No.:** **US D1,087,682 S**
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(54) **AIR FRYER**

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(52) **U.S. Cl.**
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(58) **Field of Classification Search**

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(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D564,283 S * 3/2008 Leung D7/350.1
D860,712 S * 9/2019 Yang D7/354

(Continued)

FOREIGN PATENT DOCUMENTS

CN 308564641 * 4/2024
WO WO D231159-008 * 6/2024

OTHER PUBLICATIONS

Air Fryer, Deime. Date First Available, Sep. 22, 2024 [online], [site
visited on Mar. 4, 2025]. Available from URL: < [https://www.
amazon.com/dp/B0DHQZK6MX/ref=sbl_dpx_kitchen-electric-
cookware_B0DD12R7MY_00](https://www.amazon.com/dp/B0DHQZK6MX/ref=sbl_dpx_kitchen-electric-cookware_B0DD12R7MY_00) > (Year: 2024).*

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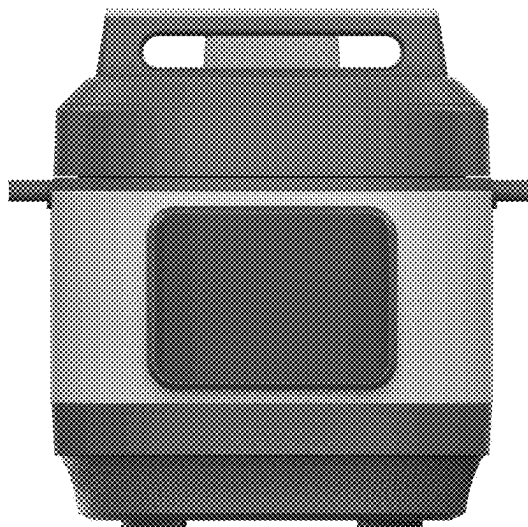
(57) **CLAIM**

The ornamental design for an air fryer, as shown and
described.

DESCRIPTION

3. Air Fryer
3.1 Front view
3.2 Back view
3.3 Left view
3.4 Right view
3.5 Top view
3.6 Bottom view
3.7 Perspective view

1 Claim, 7 Drawing Sheets



(30) **Foreign Application Priority Data**

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(58) **Field of Classification Search**

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 37/1219; A47J 37/1266; A47J 37/1285;
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 H05B 6/06; H05B 6/12

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D861,411 S * 10/2019 Huang D7/354
 D871,828 S * 1/2020 Tan D7/354
 D930,423 S * 9/2021 Wang D7/354
 D970,953 S * 11/2022 Rios D7/330
 D974,821 S * 1/2023 Tan D7/358
 D984,195 S * 4/2023 Tan D7/354
 D985,326 S * 5/2023 Ding D7/354
 D991,730 S * 7/2023 Ding D7/354
 D992,336 S * 7/2023 Ding D7/354

D1,012,597 S * 1/2024 Aldous D7/354
 D1,013,442 S * 2/2024 Brunner D7/354
 D1,013,446 S * 2/2024 Brunner D7/354
 D1,038,678 S * 8/2024 Auger D7/354
 D1,046,546 S * 10/2024 Deng D7/354
 D1,061,122 S * 2/2025 Tarisa D7/354
 D1,063,483 S * 2/2025 Mullen D7/354
 2024/0315484 A1 * 9/2024 Lv A47J 27/086
 2024/0382039 A1 * 11/2024 Wang A47J 37/0641

OTHER PUBLICATIONS

MultiCooker, Spoonlemon. Date First Available, Apr. 22, 2023 [online], [site visited on Mar. 4, 2025]. Available from URL: < https://www.amazon.com/dp/B0DNJ1H3D3/ref=sspa_dk_detail_4?psc=1&pd_rd_i=B0DNJ1H3D3&pd_rd_w=bYT3s&content- > (Year: 2023).*

Pressure Cooker, Crock-Pot. Date First Available, May 15, 2019 [online], [site visited on Mar. 4, 2025]. Available from URL: < https://www.amazon.com/Crock-Pot-Multi-Use-Programmable-Pressure-Stainless/dp/B07RD8GZ4W/ref=sr_1_3?crd= > (Year: 2019).*

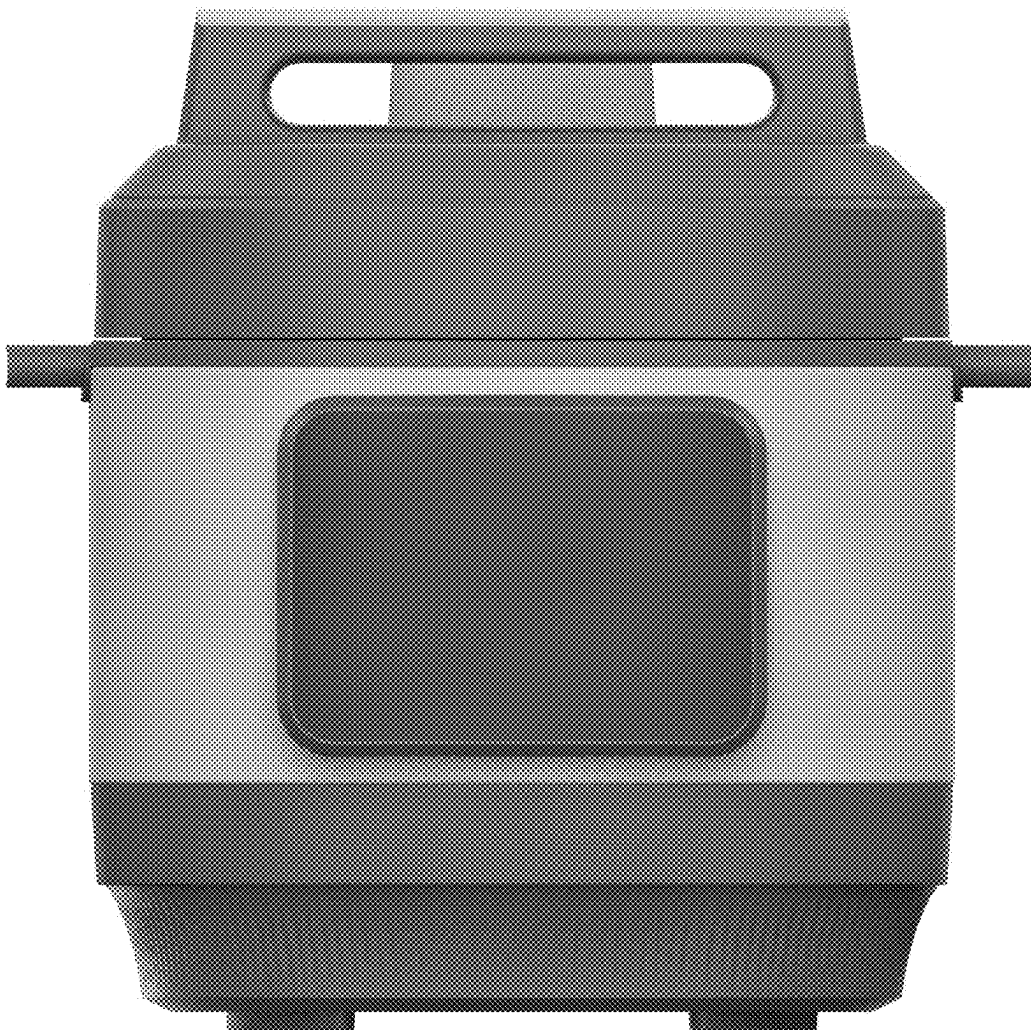
Toaster, Runnataal. Date First Available, Mar. 20, 2023 [online], [site visited on Mar. 4, 2025]. Available from URL: < https://www.amazon.com/dp/B0BYNT5CT/ref=sspa_dk_detail_2?pf_rd_p=953c7d66-4120-4d22-a777- > (Year: 2023).*

Air Fryer, Instant Pot. Date First Available, Aug. 20, 2019 [online], [site visited on May 13, 2025]. Available from URL: < https://www.amazon.com/Instant-Vortex-Plus-Rotisserie-10/dp/B07VM28XTR/ref=sr_1_21?crd=2KUHMDSKVEFQY&dib=eyJ2ljojMSJ9.FiahIz_7wpam1MRLf4ypBL0t6Dd1rhO_ > (Year: 2019).*

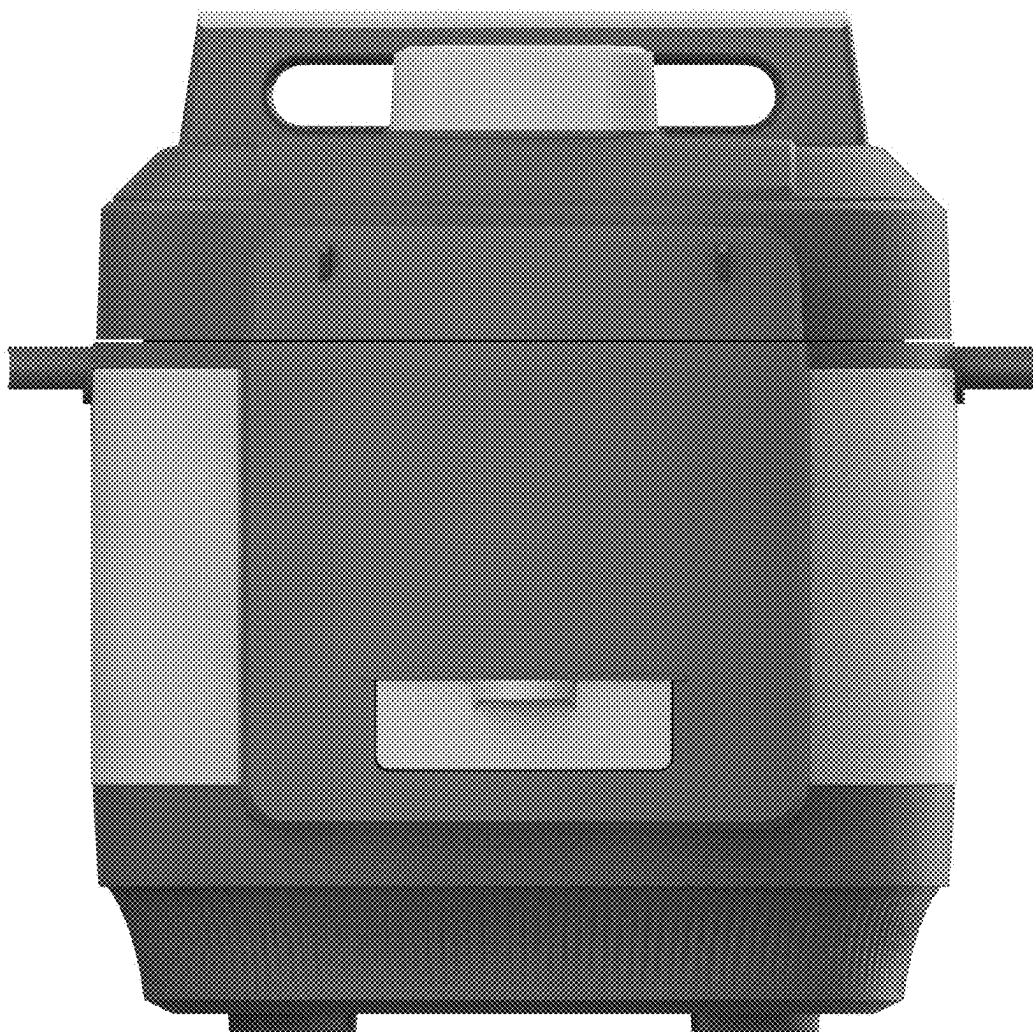
Air Fryer and Pressure Cooker Combo, Instant Pot. Date First Available, Sep. 28, 2023 [online], [site visited on May 13, 2025]. Available from URL: < https://www.amazon.com/Instant-Pot-Ultimate-Pressure-Dehydrate/dp/B0CHL9G36H/ref=sr_1_9?crd=1K2MN9L0KANAL&dib=eyJ2ljojMSJ9 > (Year: 2023).*

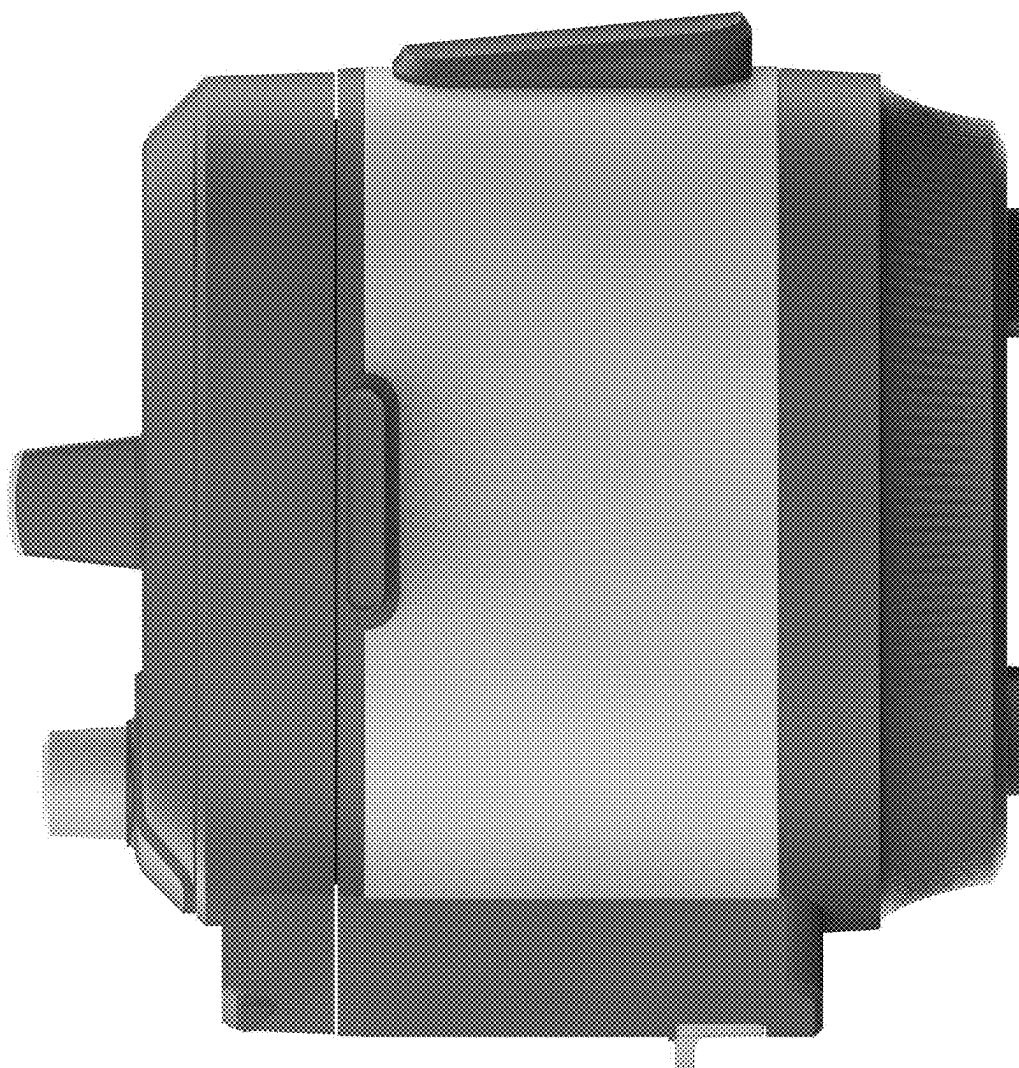
* cited by examiner

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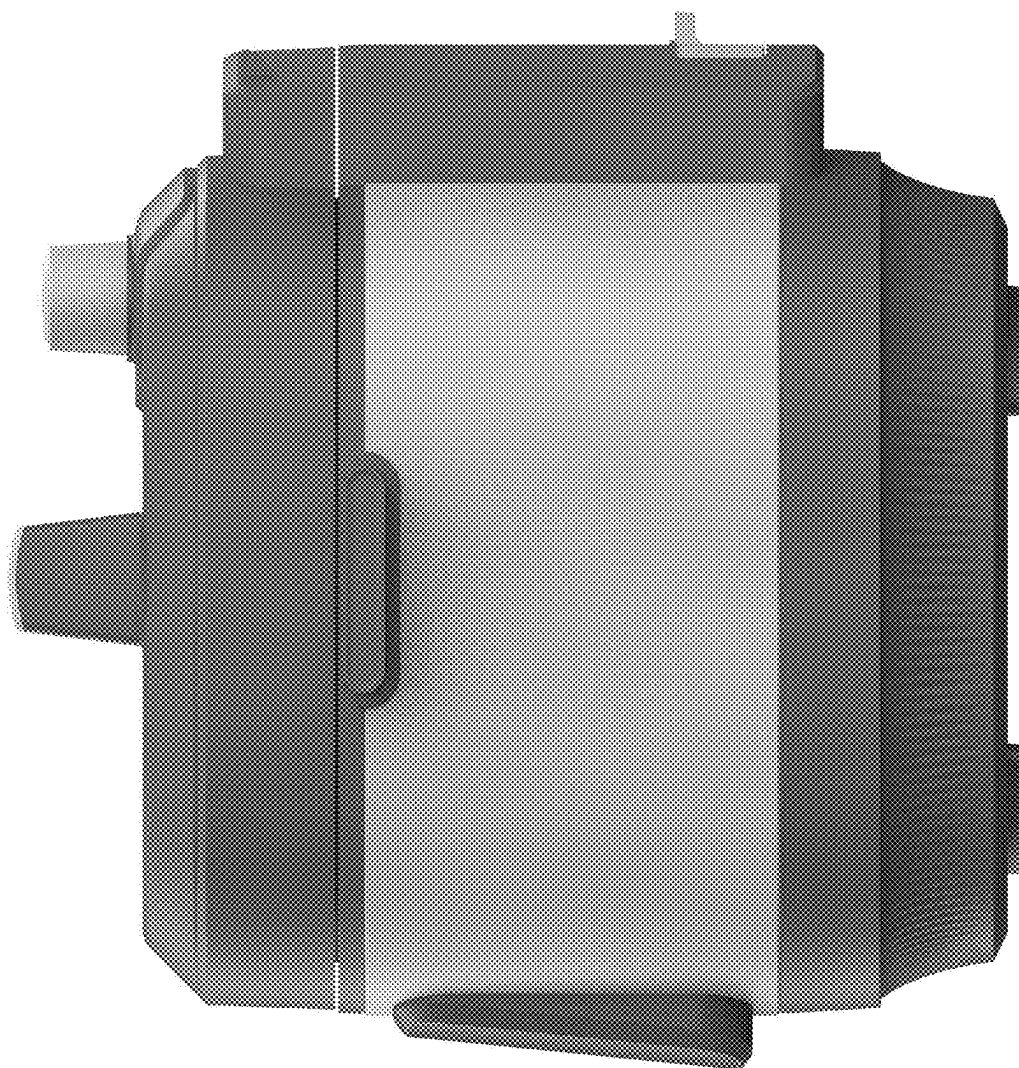


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