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(12) **United States Design Patent** (10) **Patent No.:** **US D1,088,788 S**
Chen (45) **Date of Patent:** **** Aug. 19, 2025**

(54) **ELECTRIC DRILL**

(71) Applicant: **Cheng Chen**, Qidong (CN)

(72) Inventor: **Cheng Chen**, Qidong (CN)

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

(21) Appl. No.: **29/945,503**

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(51) **LOC (15) CL.** **08-05**

(52) **U.S. CL.**
USPC **D8/68**

(58) **Field of Classification Search**
USPC D8/61, 67, 68
CPC B25B 21/002; B25B 21/02; B25B 21/026;
B25B 23/0035; B25B 23/1475; B25B
23/16; B25F 5/001
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,451,127 A * 9/1995 Chung B25D 16/006
408/20
D392,530 S * 3/1998 Lui D8/68
D409,467 S * 5/1999 Chung D8/68
D419,413 S * 1/2000 Heun D8/68
D421,883 S * 3/2000 Watson D8/68
D436,511 S * 1/2001 Hayakawa D8/68
6,308,378 B1 * 10/2001 Mooty B27B 9/00
408/124
D460,674 S * 7/2002 Heun D8/68
D467,148 S * 12/2002 Flickinger D8/68
D525,848 S * 8/2006 Kokawa D8/68
D527,971 S * 9/2006 Kokawa D8/68
7,429,430 B2 * 9/2008 Mooty B23D 51/01
30/500
D587,084 S * 2/2009 Van Wambeke D8/68
7,492,125 B2 * 2/2009 Serdynski B25F 1/00
320/128

D593,831 S * 6/2009 Van Wambeke D8/68
D609,072 S * 2/2010 Van Wambeke D8/68
D642,037 S * 7/2011 Miller D8/68
D673,437 S * 1/2013 Schoch D8/68
D750,460 S * 3/2016 Miller D8/68
D847,600 S * 5/2019 Waldron D8/68
D869,926 S * 12/2019 Waldron D8/68
D882,366 S * 4/2020 Yang D8/68
D898,536 S * 10/2020 Li D8/68
D937,063 S * 11/2021 Kawase D8/68

(Continued)

OTHER PUBLICATIONS

"The Best Drill." Wire Cutter., Nov. 2, 2023 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.nytimes.com/wirecutter/reviews/the-best-drill-for-common-household-projects/>>.*

(Continued)

Primary Examiner — Darlington Ly
(74) *Attorney, Agent, or Firm* — Ricky Lam

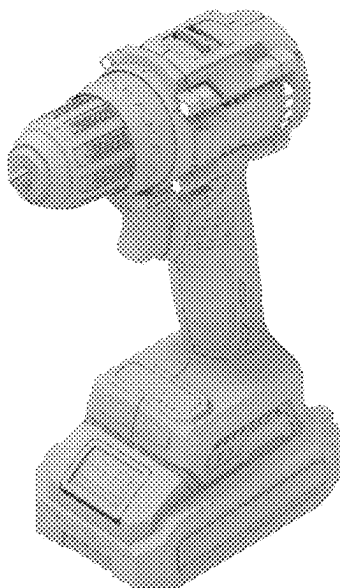
(57) **CLAIM**

The ornamental design for an electric drill, as shown and described.

DESCRIPTION

FIG. 1 is a top-front-left side perspective view of an electric drill embodying my new design;
FIG. 2 is a bottom-rear-right side perspective view thereof;
FIG. 3 is a left side elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a front elevation view thereof;
FIG. 6 is a rear elevation view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings illustrate the portions of the electric drill, which form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D1,017,361 S * 3/2024 Cox D8/68
2015/0041164 A1 * 2/2015 Sergiyenko B25B 23/147
173/176

OTHER PUBLICATIONS

Jose R. Mendoza. "7 Best Cordless Drills of 2024." U.S. News, Apr. 24, 2024 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.usnews.com/360-reviews/home-goods/best-cordless-drills>>.*

Roy Berendsohn. "The 9 Best Cordless Drills for Woodworking and Construction." Popular Mechanics, Jun. 29, 2023 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.popularmechanics.com/home/tools/a27923491/best-cordless-drills/>>.*

Sophie Bird. "Best cordless drills 2022: Cordless and power drills for DIY." Popular Mechanics, Jan. 19, 2022 [online], [retrieved on

Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.toptenreviews.com/best-cordless-drills>>.*

Nathan Hamilton. "Best Makita Drills." DIY Gear Reviews, Apr. 17, 2024 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.toptenreviews.com/best-cordless-drills>>.*

"Best Makita Drills." Chicago Tribune, May 1, 2024 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://reviews.chicagotribune.com/reviews/>>.*

"18V LXT® Lithium-Ion Brushless Cordless ½" Driver-Drill, Tool Only." Makita Tools., Oct. 4, 2023 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.makitatools.com/products/details/XFD16Z>>.*

"Makita XFD16Z 18V LXT® Lithium-Ion Brushless Cordless ½" Driver-Drill, Tool Only." Amazon, Sep. 7, 2023 [online], [retrieved on Jun. 27, 2024]. Retrieved from the Internet <URL: <https://www.amazon.com/Makita-XFD16Z-Lithium-Ion-Brushless-Driver-Drill/dp/B0CHLDLL5N>>.*

* cited by examiner



FIG. 1

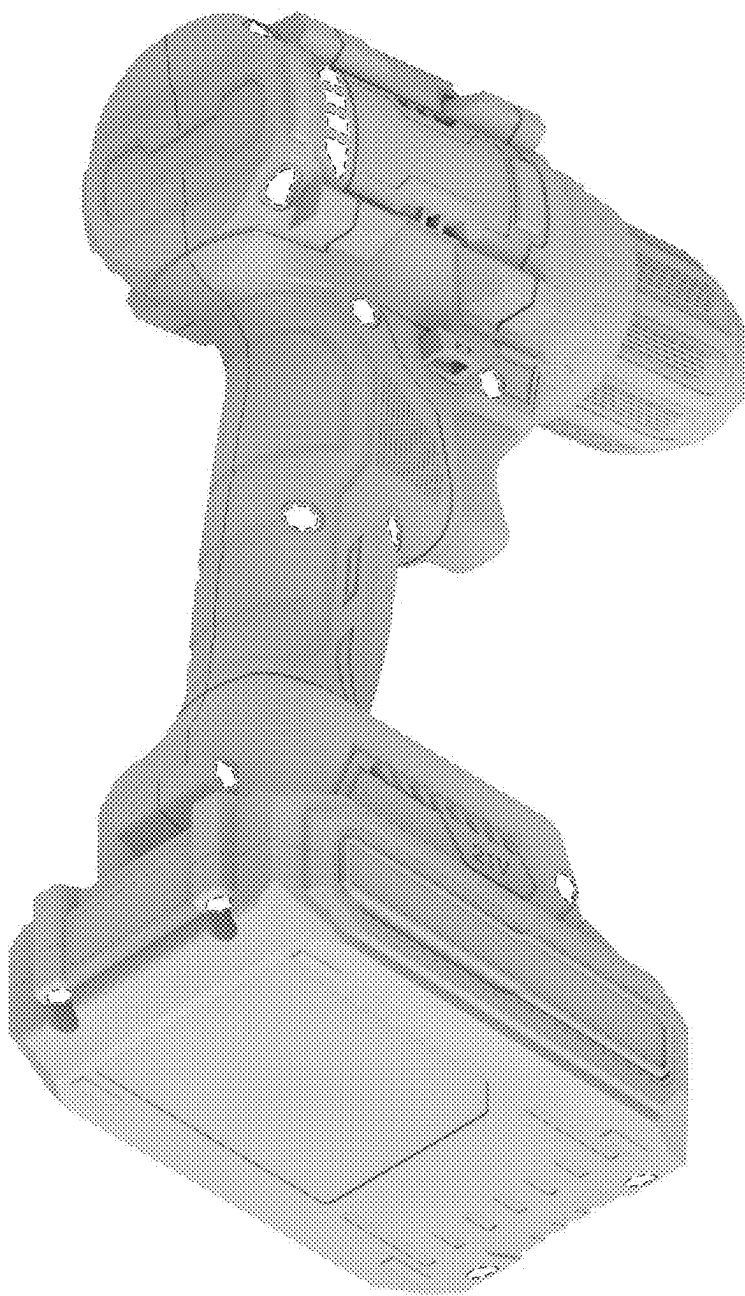


FIG. 2



FIG. 3



FIG. 4

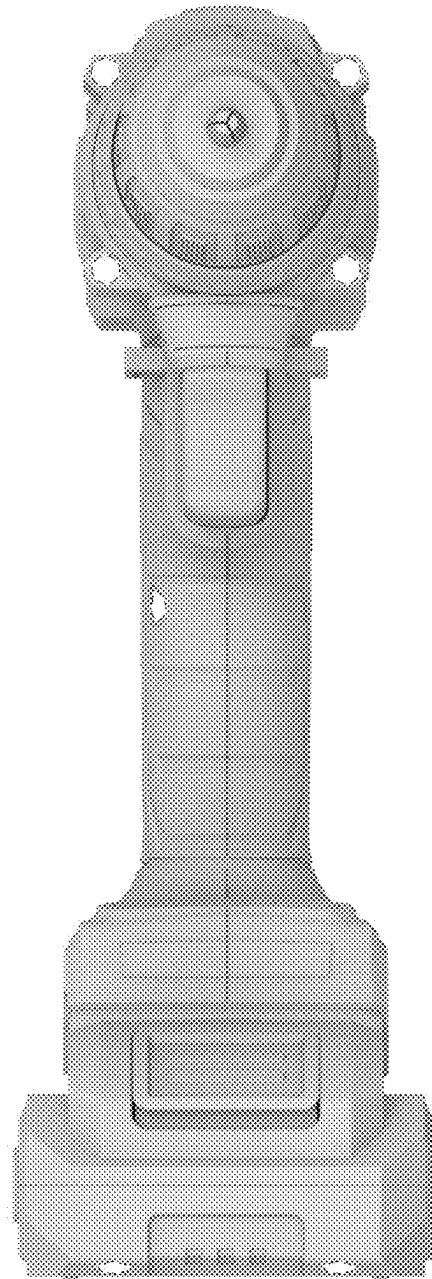


FIG. 5

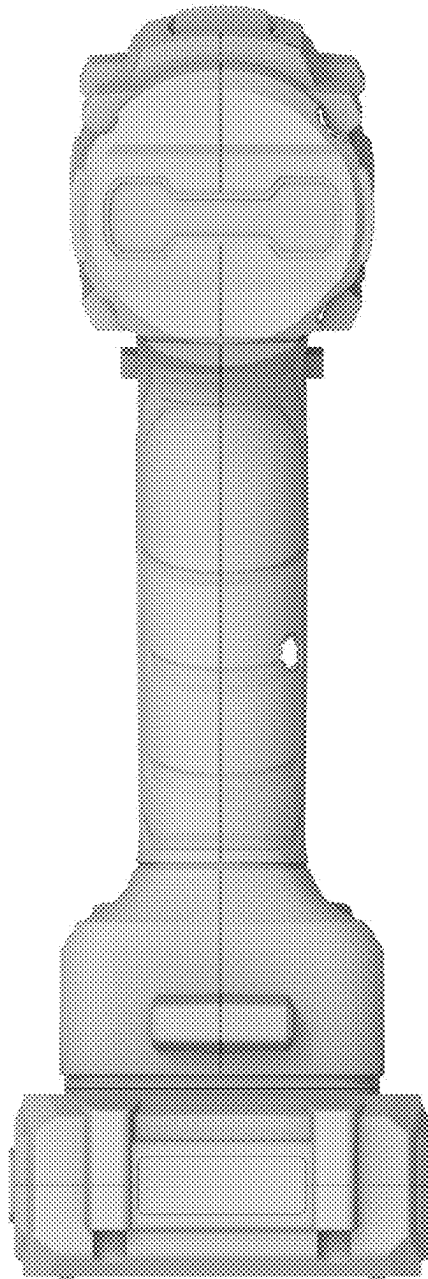


FIG. 6

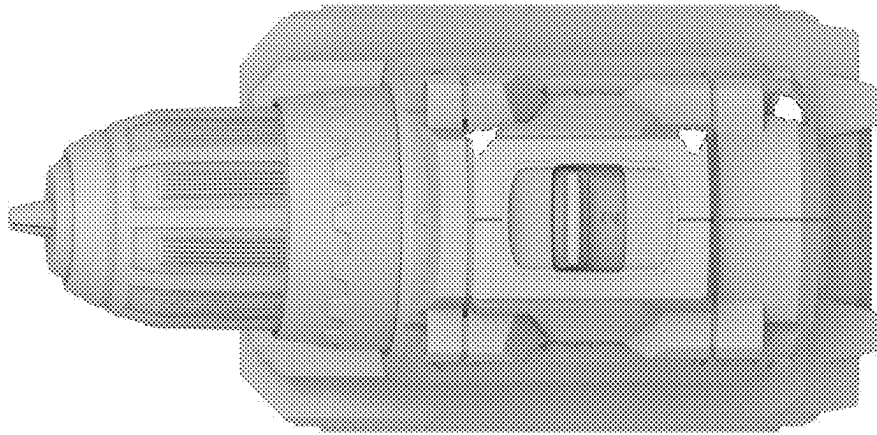


FIG. 7

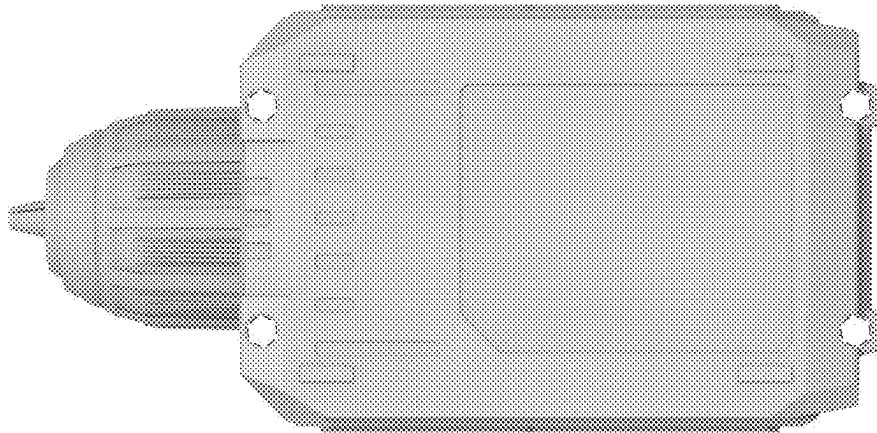


FIG. 8