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# (12) United States Design Patent (10) Patent No.:

## Huo et al.

## (10) Patent No.: US D1,089,075 S

## (45) Date of Patent: \*\* Aug. 19, 2025

## (54) CHARGER (71) Applicant: Positec Power Tools (Suzhou) Co., Ltd., Suzhou (CN) Inventors: Wang Huo, Suzhou (CN); Fengli Zhu, Suzhou (CN) Assignee: Positec Power Tools (Suzhou) Co., LTD., Suzhou (CN) Term: 15 Years Appl. No.: 35/518,843 (22)Filed: Oct. 28, 2022 (80)**Hague Agreement Data** Int. Filing Date: Oct. 28, 2022 Int. Reg. No.: DM/224920 Int. Reg. Date: Oct. 28, 2022 Int. Reg. Pub. Date: Nov. 3, 2023 (30)Foreign Application Priority Data Apr. 28, 2022 (CN) ...... 202230247320.2 Aug. 31, 2022 (CN) ...... 202230575749.4 U.S. Cl. USPC ...... **D13/107** (58) Field of Classification Search USPC ...... D13/103, 107, 108, 109, 110, 117, 118, D13/119, 120, 122, 184, 199, 123, 124, D13/158, 160, 162, 164; D14/101, 251, D14/253, 432, 434 CPC ......... H02J 7/00; H02J 7/0042; H02J 7/0044;

H02J 7/045; H02J 7/0013; G06F 1/26;

G05F 1/00; G05F 1/10; H01M 10/623

## (56) References Cited

#### U.S. PATENT DOCUMENTS

D639,730	S	*	6/2011	Kawase	D13/103
D826,149	$\mathbf{S}$	*	8/2018	Cooper	D13/103
D884,601	S	*	5/2020	Zhou	D13/103
D953,253	S	*	5/2022	Cestonaro	D13/103
D975,632	S	*	1/2023	Chen	D13/103
D1,008,164		*	12/2023	Landberg	D13/103
D1,015,265		*	2/2024	Aoki	D13/103
D1,020,619				Colton	
2018/0337540			11/2018	Taga H0:	2J 7/0013
2021/0273474			9/2021	Seibert H01	M 10/441
2022/0094192	$\mathbf{A}$	*	3/2022	Wood H	
2023/0387703	$\mathbf{A}$	<b> </b> *	11/2023	Wang H01	M 50/172

#### FOREIGN PATENT DOCUMENTS

CN	202230715480.5	*	10/2022
WO	D224920-003	*	10/2022

<sup>\*</sup> cited by examiner

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### (57) CLAIM

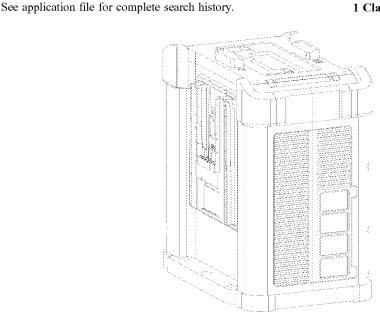
The ornamental design for a charger, as shown and described.

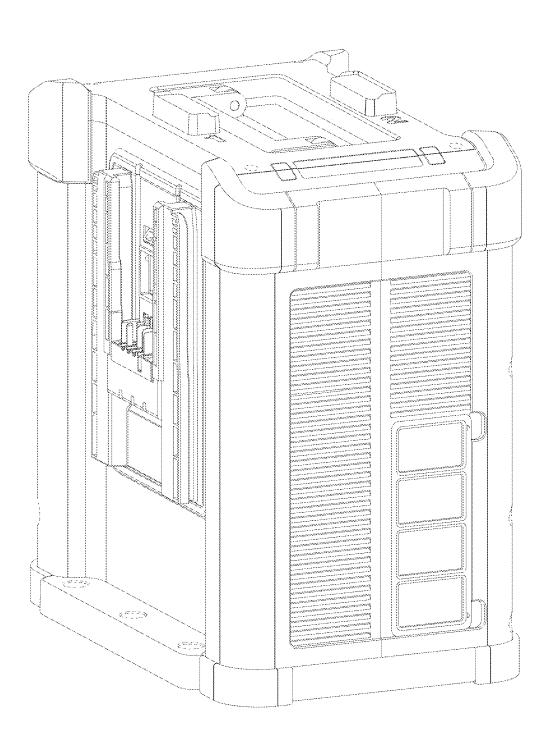
#### DESCRIPTION

- **3.1** is a top perspective view of a charger showing the new design:
- 3.2 is a front view thereof;
- 3.3 is a back view thereof;
- 3.4 is a left-side view thereof;
- 3.5 is a right-side view thereof;
- 3.6 is a top view thereof; and
- 3.7 is a bottom view thereof.

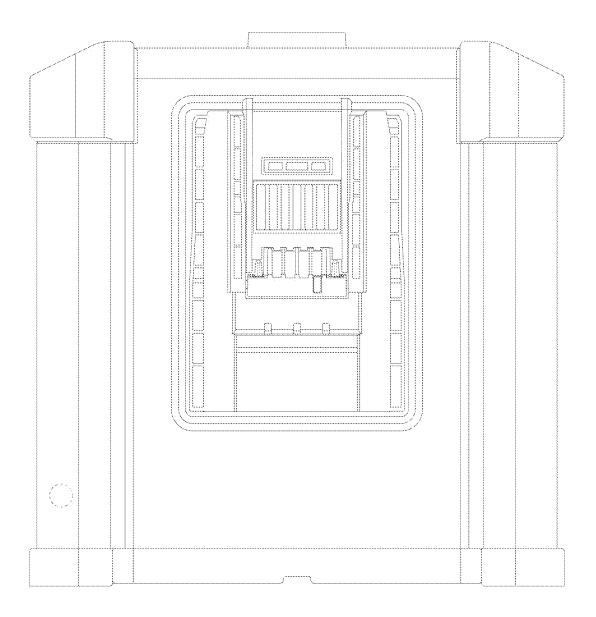
The broken lines in the drawings illustrate portions of the charger that form no part of the claimed design.

## 1 Claim, 7 Drawing Sheets

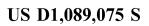


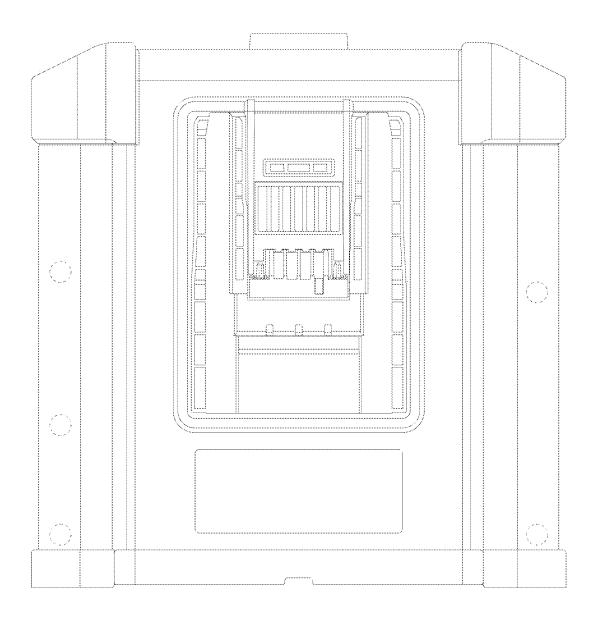


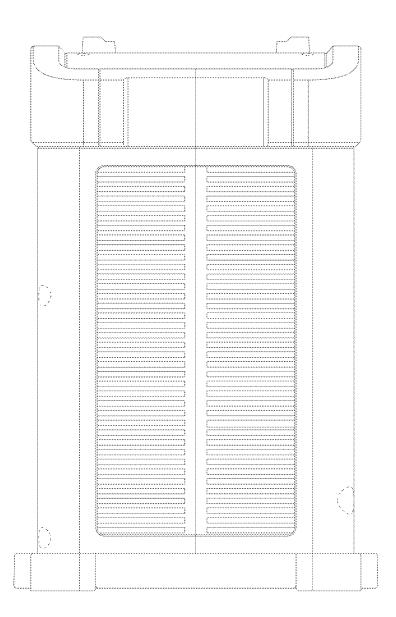
3.1



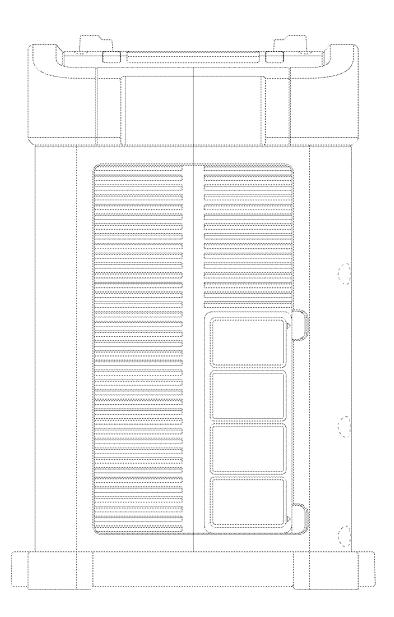
3.2



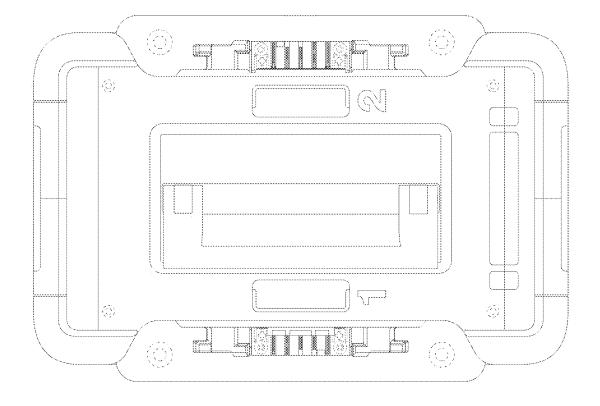




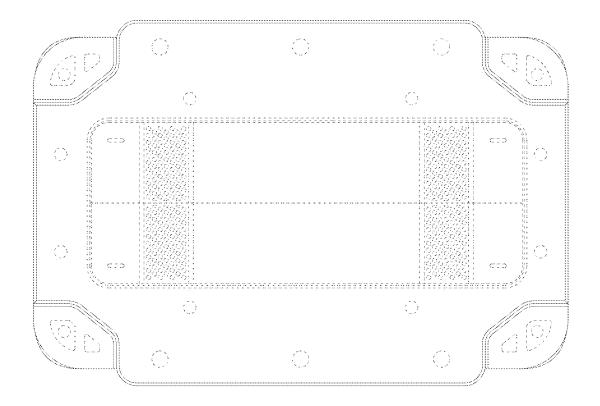
3.4



3.5



3.6



3.7