



US0D1089081S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,089,081 S**  
**Luo** (45) **Date of Patent:** **\*\* Aug. 19, 2025**

(54) **CHARGING BOX**

(71) Applicant: **Shenzhen Newline Clothing Co., Ltd.**,  
Guangdong (CN)

(72) Inventor: **Hongfei Luo**, Guangdong (CN)

(73) Assignee: **Shenzhen Newline Clothing Co., Ltd.**,  
Shenzhen (CN)

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

(21) Appl. No.: **29/893,802**

(22) Filed: **Jun. 2, 2023**

(30) **Foreign Application Priority Data**

May 12, 2023 (CN) ..... 202330276491.2

(51) **LOC (15) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/107**

(58) **Field of Classification Search**

USPC .... D13/103, 107, 108, 110, 118, 119, 137.1,  
D13/137.2, 137.3, 137.4, 138.1, 138.2,  
D13/139.1

CPC ..... H02J 7/0044; H02J 7/0045; H02J 7/0049;  
H01R 24/76

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D575,225 S \* 8/2008 Ahlgren ..... D13/107  
D617,267 S \* 6/2010 Li ..... D13/107  
D656,896 S \* 4/2012 Fung ..... D13/110  
D744,942 S \* 12/2015 Bates ..... D13/107  
D744,943 S \* 12/2015 Bates ..... D13/107  
D814,406 S \* 4/2018 Yang ..... D13/107  
D814,408 S \* 4/2018 Yang ..... D13/107  
D814,409 S \* 4/2018 Yang ..... D13/107  
D816,024 S \* 4/2018 Yang ..... D13/107  
D902,846 S \* 11/2020 Luo ..... D13/107

D903,586 S \* 12/2020 Jiang ..... D13/107  
D945,359 S \* 3/2022 Bentley ..... D13/103  
D959,364 S \* 8/2022 Steenwyk ..... D13/107  
D960,827 S \* 8/2022 Wu ..... D13/107  
D976,814 S \* 1/2023 Shum ..... H02J 7/342  
D13/107  
D986,821 S \* 5/2023 Yan ..... D13/107  
D1,007,418 S \* 12/2023 Steinbuchel, IV ..... D13/107  
D1,017,547 S \* 3/2024 Fan ..... D13/110  
D1,022,888 S \* 4/2024 Tseng ..... D13/107  
D1,024,943 S \* 4/2024 Chin ..... D13/108

(Continued)

**OTHER PUBLICATIONS**

Suhu Battery Charger. Found online Feb. 1, 2025 at amazon.com.  
Reference dated Mar. 14, 2021. Retrieved from <https://www.amazon.com/dp/B08THFW2ZP> (Year: 2021).\*

(Continued)

*Primary Examiner* — Shawn T Gingrich

*Assistant Examiner* — Amanda Christensen

(74) *Attorney, Agent, or Firm* — Justin Lampel

(57)

**CLAIM**

The ornamental design for a charging box, as shown and described.

**DESCRIPTION**

FIG. 1 is a first perspective view of a charging box showing my new design;

FIG. 2 is a second perspective view thereof;

FIG. 3 is a front view of FIG. 1;

FIG. 4 is a rear view of FIG. 1;

FIG. 5 is a left side view of FIG. 1;

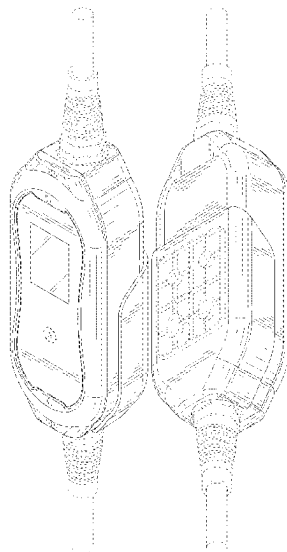
FIG. 6 is a right side view of FIG. 1;

FIG. 7 is a top plan view of FIG. 1; and,

FIG. 8 is a bottom plan view of FIG. 1.

The broken lines in the drawings depict portions of the charging box that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D1,027,828	S	*	5/2024	Yan	.....	D13/107
D1,032,505	S	*	6/2024	Yan	.....	D13/107
D1,039,488	S	*	8/2024	Yang	.....	D13/107
D1,040,092	S	*	8/2024	Yang	.....	D13/107
D1,040,750	S	*	9/2024	Yang	.....	D13/107
D1,040,751	S	*	9/2024	Yang	.....	D13/107
D1,050,056	S	*	11/2024	Brockman	.....	D13/168
D1,059,274	S	*	1/2025	Maiwald	.....	D13/107
D1,060,229	S	*	2/2025	Luo	.....	D13/107
D1,060,231	S	*	2/2025	Yang	.....	D13/107
2021/0068283	A1	*	3/2021	Qin	.....	F21V 23/0414

## OTHER PUBLICATIONS

Battery Tender Plus Battery Charger. Found online Mar. 8, 2022 at amazon.com. Reference dated Jan. 30, 2007. Retrieved from [https://www.amazon.com/dp/B00DJ5KEEA/ref=sspa\\_dk\\_detail\\_8](https://www.amazon.com/dp/B00DJ5KEEA/ref=sspa_dk_detail_8). (Year: 2007).\*

\* cited by examiner

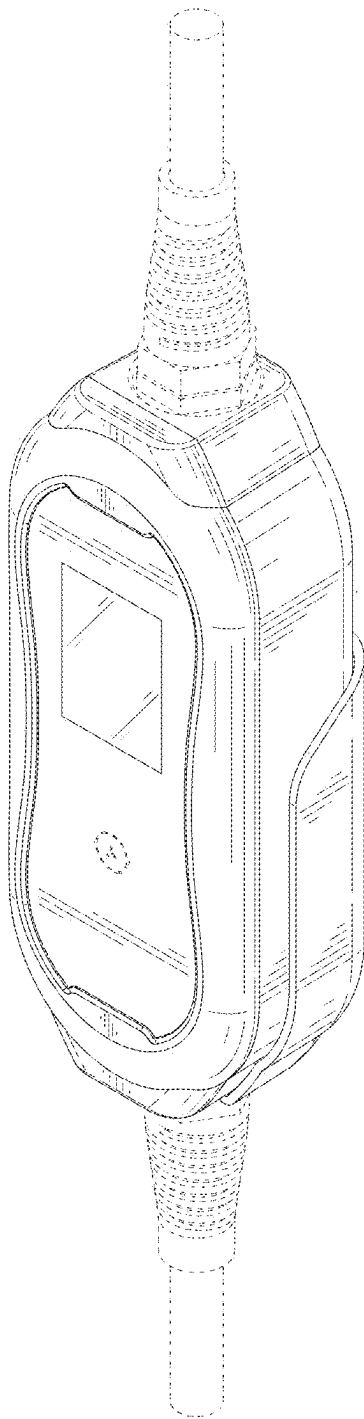


FIG. 1

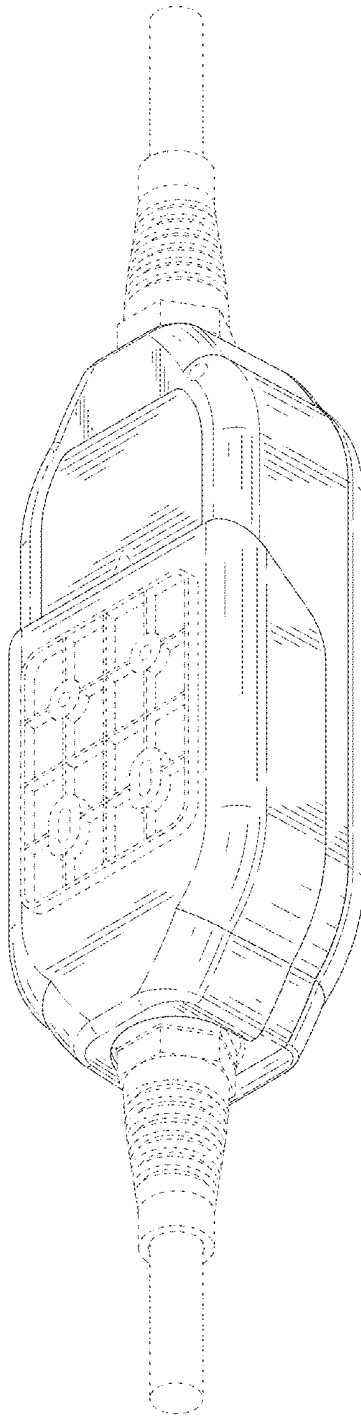


FIG. 2

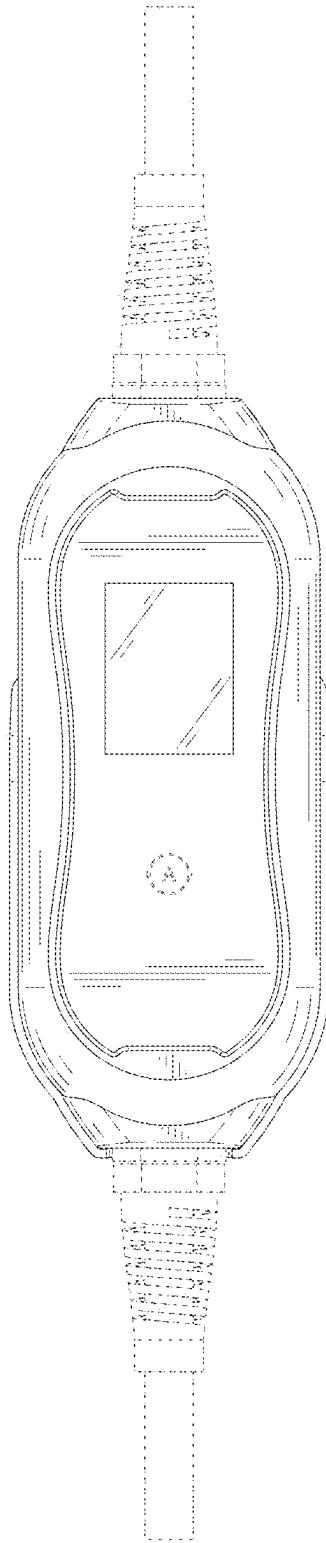


FIG. 3

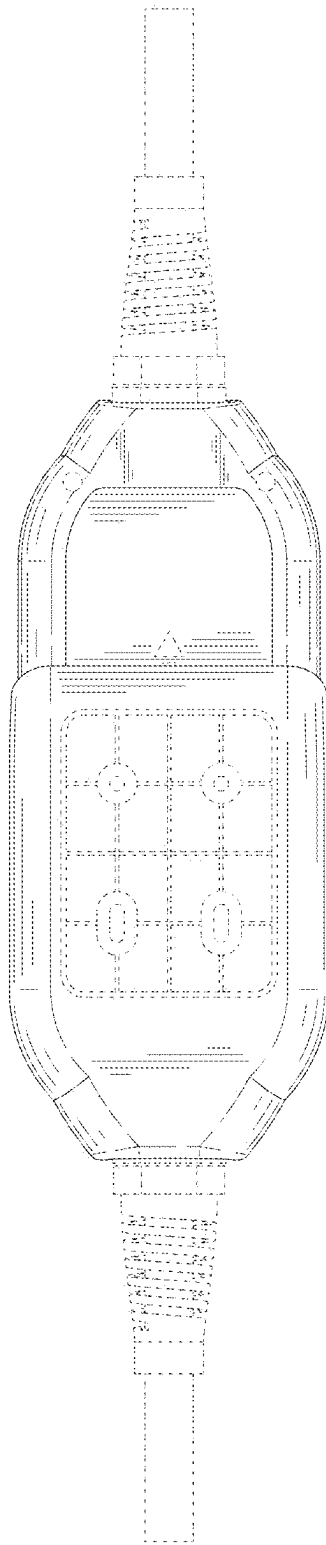


FIG. 4

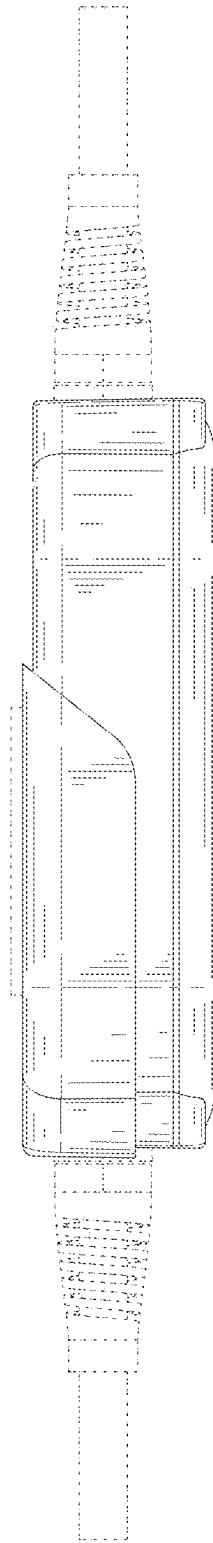


FIG. 5

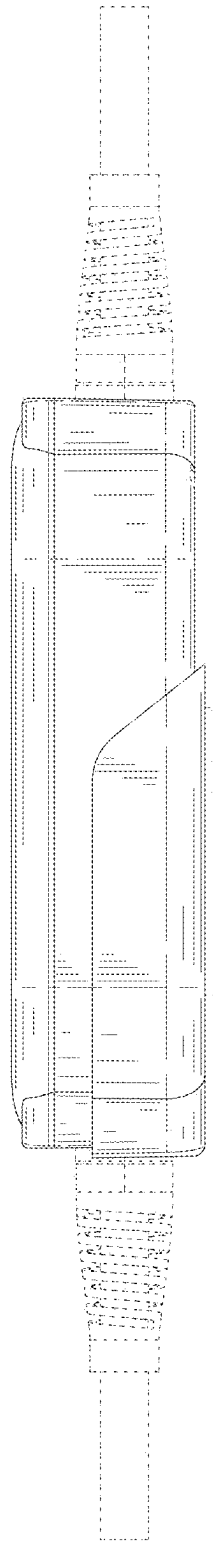


FIG. 6



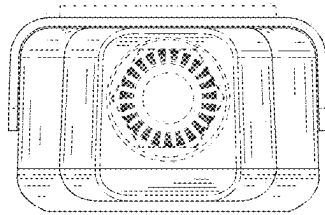


FIG. 7

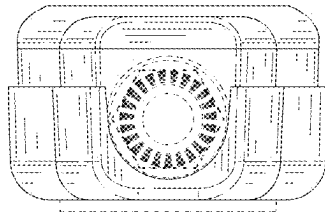


FIG. 8