



US00D749041S

(12) **United States Design Patent**
Patel et al.

(10) **Patent No.:** **US D749,041 S**

(45) **Date of Patent:** **** Feb. 9, 2016**

(54) **CHARGING APPARATUS**

(71) Applicant: **Microsoft Corporation**, Redmond, WA (US)

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(73) Assignee: **Microsoft Corporation**, Redmond, WA (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/492,496**

(22) Filed: **May 30, 2014**

(51) **LOC (10) Cl.** **13-02**

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

(58) **Field of Classification Search**

USPC D13/107-110, 118-119, 133, 146-147, D13/154, 182, 199; D14/251, 253, 432, D14/434; 320/107-115

CPC Y02E 60/12; Y02T 90/14; Y02T 90/122; Y02T 90/128; Y02T 90/163; H02J 7/025; H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0003; H01F 38/14; H01R 13/6675; H01M 2/1022; H01M 2/1055; H01M 10/44; H01M 10/46; H01M 10/425; B60L 11/182

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D290,249	S	*	6/1987	Knickerbocker	.....	D13/147
D446,770	S	*	8/2001	Zheng	.....	D13/133
D449,579	S	*	10/2001	Goto	.....	D13/133
D478,321	S	*	8/2003	Peng	.....	D13/154
D529,443	S	*	10/2006	Chien	.....	D13/147
D616,821	S	*	6/2010	The	.....	D13/133
D617,267	S	*	6/2010	Li	.....	D13/107
D634,269	S	*	3/2011	Griffin, Jr.	.....	D13/103
D637,953	S	*	5/2011	Huang	.....	D13/108
D687,772	S	*	8/2013	Chikos	D13/108
D728,482	S	*	5/2015	Cepress	D13/147

* cited by examiner

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(57) **CLAIM**

The ornamental design for a portion of a charging apparatus, as shown and described.

DESCRIPTION

FIG. 1 is a front top perspective view of a charging apparatus showing our new design;

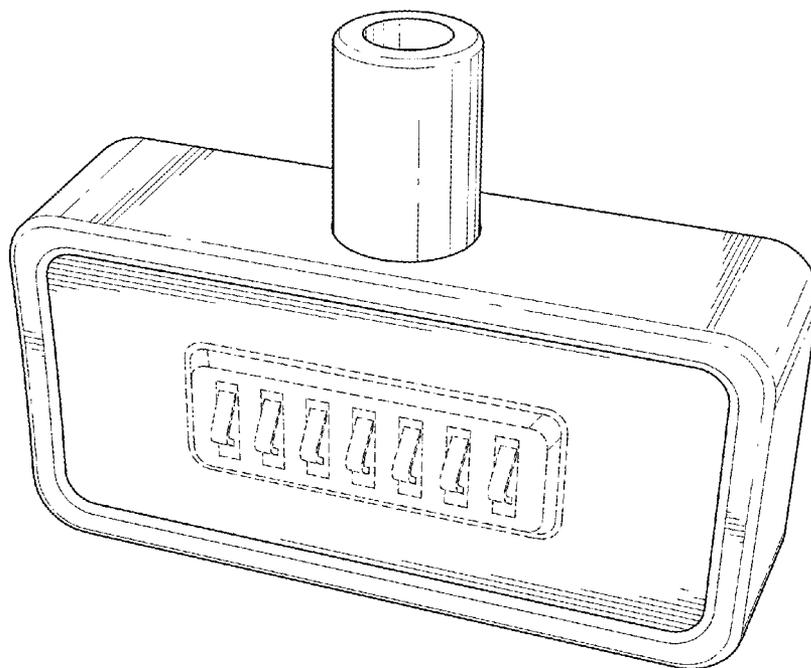
FIG. 2 is a front view thereof;

FIG. 3 is a right side view thereof; and,

FIG. 4 is a top view thereof.

The portions of the images shown with broken lines are for illustrative purposes only and form no part of the claimed design. The shade lines in the figures indicate a character or contour of the claimed design, and do not depict any particular color, texture, or material.

1 Claim, 2 Drawing Sheets



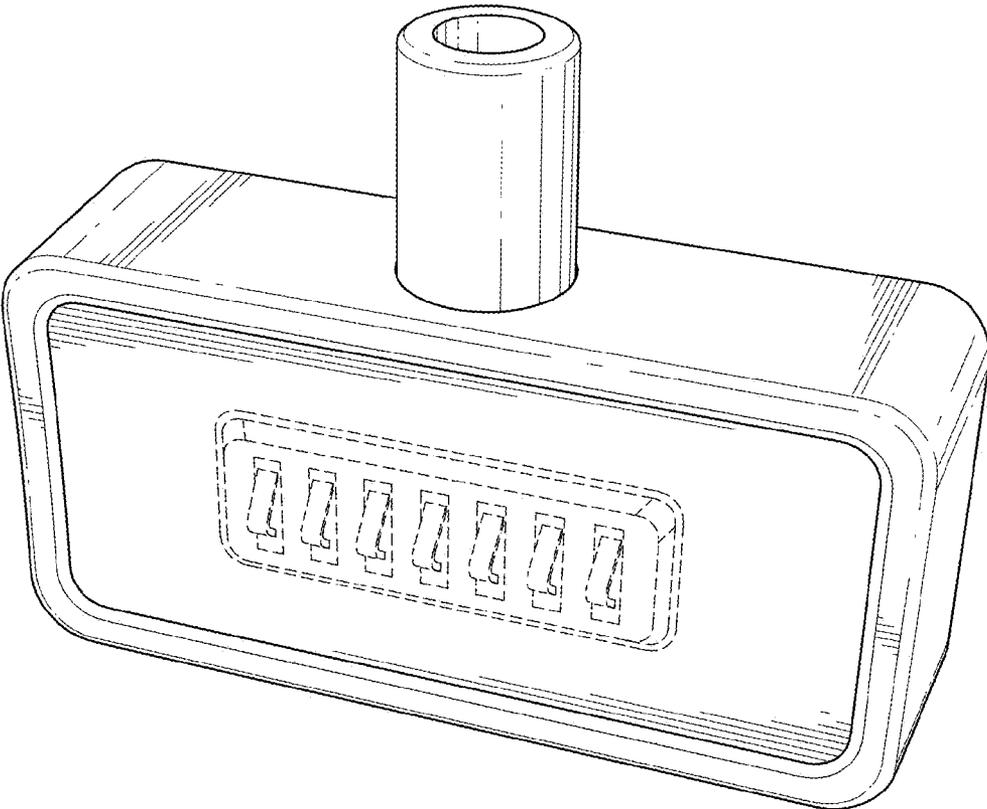


FIG. 1

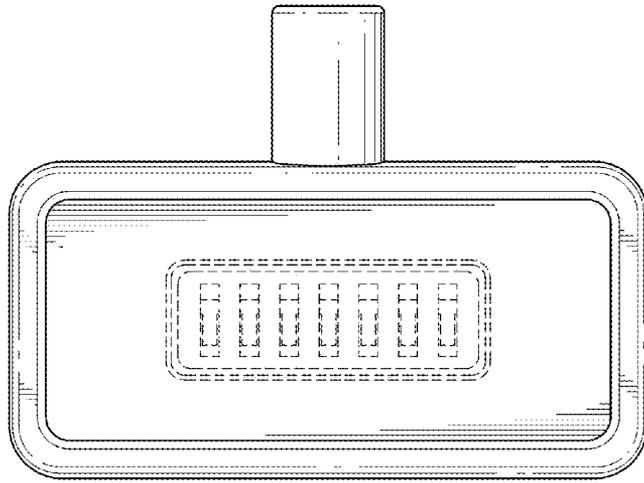


FIG. 2

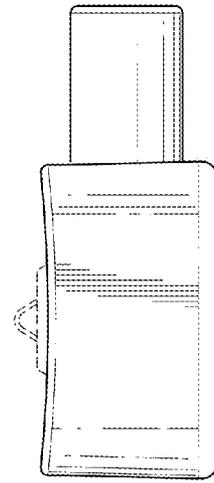


FIG. 3

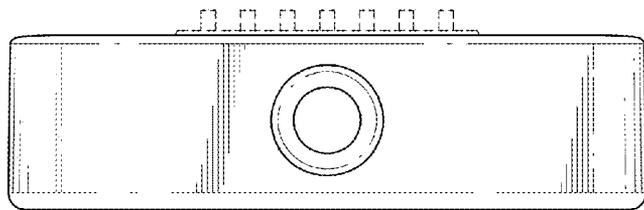


FIG. 4