

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

### Nishimura

## US D840,931 S

### (45) **Date of Patent:**

## Feb. 19, 2019

#### (54) WIRELESS POWER TRANSFER DEVICE

(71)	Applicant:	IHI	CORPORATION,	Koto-ku,	Tokyo
		(IP)			

- (72) Inventor: Kenji Nishimura, Tokyo (JP)
- (73) Assignee: IHI CORPORATION, Tokyo (JP)
- (\*\*) Term: 15 Years
- (21) Appl. No.: 29/634,724
- (22) Filed: Jan. 24, 2018

### Related U.S. Application Data

(62) Division of application No. 35/501,452, filed on Mar. 2, 2016 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of Mar. 2, 2016, now Pat. No. Des. 812,002.

#### (30)Foreign Application Priority Data

Sep	o. 29, 2015 o. 29, 2015 o. 29, 2015	(JP).			2015	-021271
(51)	LOC (11)					
(52)	U.S. Cl.					
( )						D13/110
(58)	Field of Cl	assifica	tion Sea	rch		
` /	USPC				103; I	014/435;
				17	4/559;	290/1 A
	CPC 0	301H 1	/0066; H	[02J 7/004	2; H04	N 7/104
	See applica	tion file	for con	nnlete sear	rch hist	orv.

#### (56)References Cited

### U.S. PATENT DOCUMENTS

5,606,14	3	Α	*	2/1997	Young	 G10H 1/0066
						348/E5.099
5,998,96	1	Α	*	12/1999	Brown	 H02J 7/0042
						290/1 A

6,069,797	$\mathbf{A}$	*	5/2000	Widmayer H0	4N 7/104
					174/559
D611,900	S	*	3/2010	Yang	D13/108
D702,654	$\mathbf{S}$	*	4/2014	Lee	D13/182
D794,554	S	*	8/2017	Chang	D13/103
D794,644	S	*	8/2017	Bang	D14/435

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

Primary Examiner - Rhea Shields

(74) Attorney, Agent, or Firm — Volpe and Koenig, P.C.

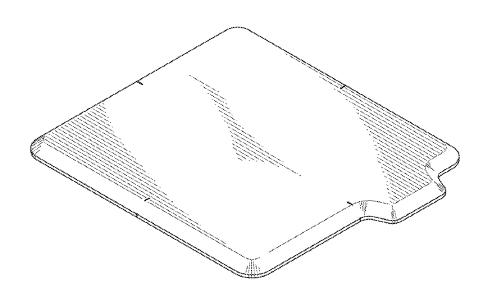
#### (57)**CLAIM**

The ornamental design for a wireless power transfer device, as shown and described.

#### DESCRIPTION

- FIG. 1 is a front perspective view of a wireless power transfer device of the present invention.
- FIG. 2 is a back perspective view of the wireless power transfer device of FIG. 1.
- FIG. 3 is a front view of the wireless power transfer device
- FIG. 4 is a back view of the wireless power transfer device of FIG. 1.
- FIG. 5 is a top view of the wireless power transfer device of
- FIG. 6 is a bottom view of the wireless power transfer device of FIG. 1.
- FIG. 7 is a left view of the wireless power transfer device of FIG. 1: and.
- FIG. 8 is a right view of the wireless power transfer device of FIG. 1.

### 1 Claim, 8 Drawing Sheets



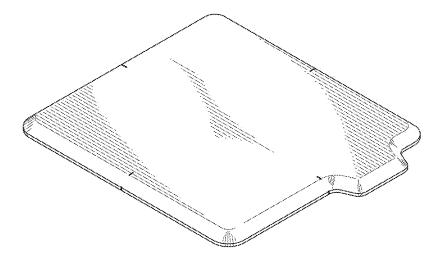


FIG. 1

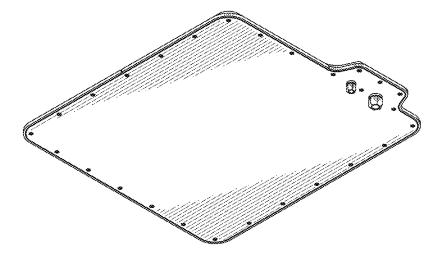


FIG. 2

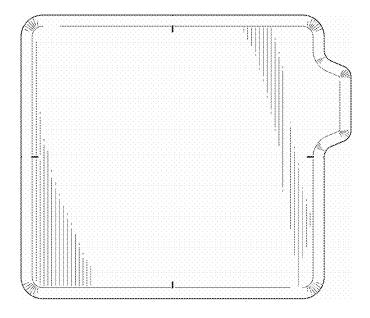


FIG. 3

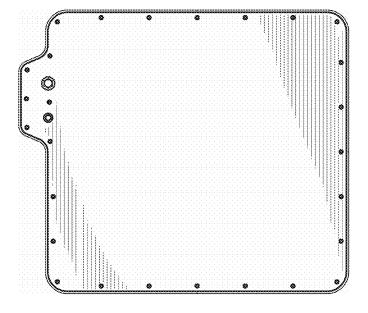


FIG. 4



FIG. 5



FIG. 6

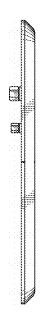


FIG. 7



FIG. 8