



US008578982B2

(12) **United States Patent**
Lee et al.

(10) **Patent No.:** **US 8,578,982 B2**
(45) **Date of Patent:** **Nov. 12, 2013**

(54) **SCANNER RESISTANT DEVICE FOR RFID CARDS**

(76) Inventors: **Victor Lee**, Chino Hills, CA (US); **Eric Cohen**, Miami, FL (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 236 days.

(21) Appl. No.: **13/217,356**

(22) Filed: **Aug. 25, 2011**

(65) **Prior Publication Data**

US 2013/0000801 A1 Jan. 3, 2013

Related U.S. Application Data

(60) Provisional application No. 61/501,755, filed on Jun. 28, 2011, provisional application No. 61/507,598, filed on Jul. 14, 2011.

(51) **Int. Cl.**

A45C 11/00 (2006.01)
B23P 17/04 (2006.01)
H05K 9/00 (2006.01)

(52) **U.S. Cl.**

USPC **150/147**; 29/428; 361/816

(58) **Field of Classification Search**

USPC 150/147; 361/816; 29/428
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,593,736 A * 6/1986 Morita 150/147
4,851,610 A * 7/1989 LeBlanc et al. 174/353

5,713,406 A *	2/1998	Drury	150/132
5,941,375 A *	8/1999	Kamens et al.	206/38
6,121,544 A *	9/2000	Petsinger	174/353
6,845,863 B1 *	1/2005	Riley	206/39
7,083,083 B2 *	8/2006	Droz	235/375
7,635,089 B2 *	12/2009	Augustinowicz et al.	235/486
7,889,056 B2	2/2011	Home	
2005/0061889 A1 *	3/2005	McGee et al.	235/487
2006/0017573 A1 *	1/2006	Noguchi	340/572.8
2007/0289775 A1	12/2007	Potts et al.	
2009/0260731 A1 *	10/2009	Roth et al.	150/147
2011/0048594 A1 *	3/2011	Arnone	150/147

FOREIGN PATENT DOCUMENTS

EP	1852808 A1	11/2007
JP	63281980 A *	11/1988
JP	2006053761 A	3/2006
JP	2006248060 A *	9/2006
JP	2006313482 A	11/2006

* cited by examiner

Primary Examiner — Sue A Weaver

(74) *Attorney, Agent, or Firm* — Mark Terry

(57) **ABSTRACT**

A device for protecting one or more credit or charge cards from radio frequency scanning is disclosed. The device comprises a planar element sized for fitting within a card slot of a personal carrying accessory, wherein the planar element is composed of an uncharged, conductive material and wherein the planar element inhibits the transmission of radio frequency signals.

13 Claims, 7 Drawing Sheets

