US007580254B2

(12) **United States Patent**
Anderson

(10) **Patent No.: US 7,580,254 B2**
(45) **Date of Patent: Aug. 25, 2009**

(54) **APPARATUS, SYSTEM, AND METHOD FOR SECURE STORAGE BAY FOR AN ELECTRONIC HANDHELD DEVICE**

(76) Inventor: **David Anderson**, 1790 River Gorge Dr., Reno, NV (US) 89521

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 357 days.

(21) Appl. No.: **11/551,209**

(22) Filed: **Oct. 19, 2006**

(65) **Prior Publication Data**

US 2007/0087725 A1 Apr. 19, 2007

Related U.S. Application Data

(60) Provisional application No. 60/728,231, filed on Oct. 19, 2005.

(51) **Int. Cl.**

H05K 5/00	(2006.01)
H05K 7/00	(2006.01)
A47B 81/00	(2006.01)
A47B 97/00	(2006.01)

(52) **U.S. Cl.** **361/679.41**; 312/223.2

(58) **Field of Classification Search** 361/724, 361/725, 727, 679.41; 312/223.2

See application file for complete search history.

(56) **References Cited**

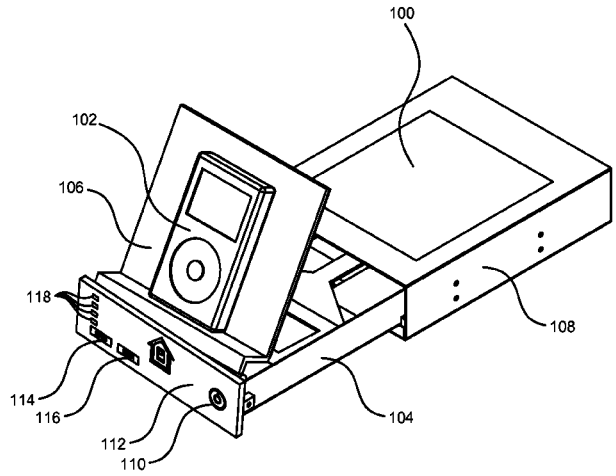
U.S. PATENT DOCUMENTS

4,533,791	A	8/1985	Read et al.	179/2 R
5,528,667	A	6/1996	Steffensen et al.	379/58
5,537,343	A	7/1996	Kikinis et al.	
6,035,214	A	3/2000	Henderson	455/556
6,049,453	A	4/2000	Hulsebosch	
6,102,476	A	8/2000	May et al.	297/217.3
6,144,549	A	11/2000	Moss et al.	
D440,542	S	4/2001	Hawkins et al.	D14/100
6,231,145	B1 *	5/2001	Liu	312/332.1
6,231,371	B1 *	5/2001	Helot	439/374
6,330,151	B1 *	12/2001	Bates, III	361/686
6,388,878	B1 *	5/2002	Chang	361/687
6,538,880	B1	3/2003	Kamijo et al.	361/686
D472,900	S	4/2003	Matsumoto	D14/447
6,591,085	B1	7/2003	Grady	455/42
6,626,686	B1	9/2003	D'Souza et al.	439/131
6,654,251	B2	11/2003	Yun	361/724
6,693,586	B1	2/2004	Walters et al.	342/357.13
6,760,600	B2	7/2004	Nickum	455/557
6,763,252	B2	7/2004	Itazawa	455/575.1
D495,336	S	8/2004	Andre et al.	D14/434
6,961,237	B2 *	11/2005	Dickie	361/683
7,110,574	B2 *	9/2006	Haruki et al.	382/115
2002/0086703	A1	7/2002	Dimenstein et al.	455/557
2002/0169001	A1	11/2002	Itazawa	455/557

(Continued)

Primary Examiner—Jayprakash N Gandhi
Assistant Examiner—Anthony M Haughton
(74) *Attorney, Agent, or Firm*—Kunzler & McKenzie

(57) **ABSTRACT**

An apparatus, system, and method are disclosed for secure storage of an electronic handheld device. The apparatus may include a retractable tray having a surface for receiving the electronic handheld device, an electrical connector within the retractable tray for making electrical connection with the electronic handheld device, and the retractable tray having an exterior housing with electrical connectors for being received within a fixed electronic device. The system includes the apparatus, and a data communications link coupling the apparatus with a fixed electronic device. The method includes receiving an electronic handheld device, making an electrical connection with the electronic handheld device through a retractable tray, and retracting the electrical device within an exterior housing, the exterior housing having electrical connectors for connecting with a fixed electronic device.

20 Claims, 11 Drawing Sheets