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(54) **IN-LINE DONGLE**

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USPC **D14/433**

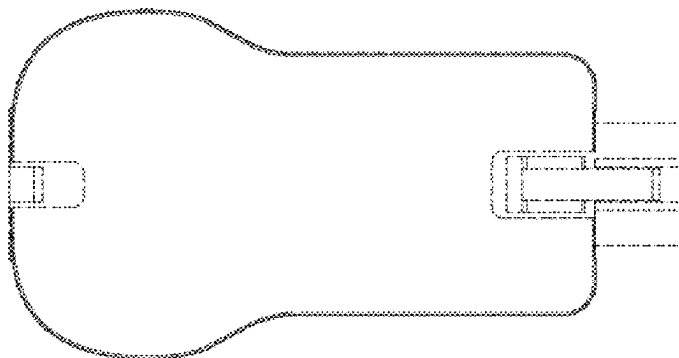
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,844,808 A 12/1998 Konsmo et al.
5,892,900 A 4/1999 Ginter et al.
D412,154 S * 7/1999 Lok D13/147
D416,230 S * 11/1999 Narumo et al. D13/147
D461,476 S * 8/2002 Evers et al. D14/433
6,462,644 B1 10/2002 Howell et al.
D474,154 S * 5/2003 Lai D13/147
6,584,309 B1 6/2003 Whigham
6,793,134 B2 9/2004 Clark
D519,465 S * 4/2006 Sirichai et al. D13/156
7,085,556 B2 8/2006 Offer
7,127,236 B2 10/2006 Khan et al.
D547,761 S * 7/2007 Hui D14/433
7,455,223 B1 11/2008 Wilson et al.
7,464,867 B1 12/2008 Kolls
D601,142 S * 9/2009 Lindley D14/358
7,721,958 B2 5/2010 Belfer et al.

7,848,980 B2 12/2010 Carlson
D669,899 S 10/2012 Cheng
8,346,670 B2 1/2013 Hasson et al.
8,356,754 B2 1/2013 Johnson et al.
8,376,227 B2 2/2013 Hammad et al.
8,396,589 B2 3/2013 Katzenstein Garibaldi et al.
8,412,626 B2 4/2013 Hirson et al.
8,438,066 B1 5/2013 Yuen
8,479,190 B2 7/2013 Sueyoshi et al.
8,489,140 B2 7/2013 Weiner et al.
8,517,766 B2 8/2013 Golko et al.
D691,140 S * 10/2013 Huang D14/433
8,548,426 B2 10/2013 Smith
8,583,496 B2 11/2013 Yoo et al.
8,596,528 B2 12/2013 Fernandes et al.
8,600,899 B1 12/2013 Davis
8,615,445 B2 12/2013 Dorsey et al.
8,645,971 B2 2/2014 Carlson et al.
8,700,530 B2 4/2014 Smith
8,707,276 B2 4/2014 Hill et al.
D707,234 S * 6/2014 Tan D14/480.1
8,769,643 B1 7/2014 Ben Ayed
8,810,430 B2 8/2014 Proud
8,819,659 B2 8/2014 Ramer et al.
8,838,481 B2 9/2014 Moshfeghi
8,850,421 B2 9/2014 Proud
8,856,045 B1 10/2014 Patel et al.
D717,747 S * 11/2014 Nishimoto et al. D14/125
8,898,620 B2 11/2014 Eizenman et al.
D721,374 S * 1/2015 Liu D14/433
9,037,492 B2 5/2015 White
D730,904 S * 6/2015 Liu D14/433
2002/0164953 A1 11/2002 Curtis
2003/0110097 A1 6/2003 Lei
2003/0158891 A1 8/2003 Lei et al.
2004/0049454 A1 3/2004 Kanno et al.
2004/0117262 A1 6/2004 Berger et al.
2005/0101295 A1 5/2005 Rupp
2005/0181804 A1 8/2005 Misikangas et al.
2005/0232421 A1 10/2005 Simons et al.
2007/0050083 A1 3/2007 Signorelli et al.
2007/0187491 A1 8/2007 Godwin et al.
2008/0033880 A1 2/2008 Fiebigler et al.
2008/0126213 A1 5/2008 Robertson et al.
2008/0141033 A1 6/2008 Ginter et al.
2008/0154727 A1 6/2008 Carlson
2008/0154735 A1 6/2008 Carlson
2008/0167991 A1 7/2008 Carlson et al.
2008/0183480 A1 7/2008 Carlson et al.
2008/0201226 A1 8/2008 Carlson et al.
2008/0208762 A1 8/2008 Arthur et al.
2008/0255947 A1 10/2008 Friedman
2009/0037284 A1 2/2009 Lewis et al.



2009/0099961	A1	4/2009	Ogilvy
2009/0119190	A1	5/2009	Realini
2009/0171682	A1	7/2009	Dixon et al.
2009/0306818	A1	12/2009	Slagley et al.
2009/0313132	A1	12/2009	McKenna et al.
2009/0327089	A1	12/2009	Kanno et al.
2010/0094456	A1	4/2010	Simpkins et al.
2011/0040686	A1	2/2011	Carlson
2011/0153436	A1	6/2011	Krampe
2011/0153442	A1	6/2011	Krampe
2011/0251910	A1	10/2011	Dimmick
2011/0276636	A1	11/2011	Cheng et al.
2012/0011024	A1	1/2012	Dorsey et al.
2012/0016731	A1	1/2012	Smith et al.
2012/0029691	A1	2/2012	Mockus et al.
2012/0036045	A1	2/2012	Lowe et al.
2012/0078735	A1	3/2012	Bauer et al.
2012/0158172	A1	6/2012	Wencslao
2012/0197740	A1	8/2012	Grigg et al.
2012/0231844	A1	9/2012	Coppinger
2012/0246074	A1	9/2012	Annamalai et al.
2012/0276845	A1	11/2012	Wikander
2012/0290472	A1	11/2012	Mullen et al.
2012/0303528	A1	11/2012	Weiner et al.
2012/0316963	A1	12/2012	Moshfeghi
2013/0030931	A1	1/2013	Moshfeghi
2013/0054395	A1	2/2013	Cyr et al.
2013/0085835	A1	4/2013	Horowitz
2013/0110296	A1	5/2013	Khoo et al.
2013/0117738	A1	5/2013	Livingston et al.
2013/0124289	A1	5/2013	Fisher
2013/0143498	A1	6/2013	Niemi
2013/0166448	A1	6/2013	Narayanan
2013/0185150	A1	7/2013	Crum
2013/0217333	A1	8/2013	Sprigg et al.
2013/0246171	A1	9/2013	Carapelli
2013/0246364	A1	9/2013	Bhavith
2013/0267121	A1	10/2013	Hsu
2013/0267176	A1	10/2013	Hertel et al.
2013/0278622	A1	10/2013	Sun et al.
2013/0297422	A1	11/2013	Hunter et al.
2013/0311379	A1	11/2013	Smith
2013/0311382	A1	11/2013	Fosmark et al.
2013/0332293	A1	12/2013	Ran
2014/0019367	A1	1/2014	Khan et al.
2014/0040028	A1	2/2014	King et al.
2014/0040117	A1	2/2014	Jain
2014/0064116	A1	3/2014	Linde et al.
2014/0074714	A1	3/2014	Melone et al.
2014/0074723	A1	3/2014	Kamat
2014/0100977	A1	4/2014	Davis
2014/0122298	A1	5/2014	Oyer
2014/0136301	A1	5/2014	Valdes
2014/0136411	A1	5/2014	Cho et al.
2014/0180852	A1	6/2014	Kamat
2014/0201066	A1	7/2014	Roux et al.
2014/0249995	A1	9/2014	Ogilvy
2014/0279101	A1	9/2014	Duplan et al.
2014/0317611	A1	10/2014	Wojcik et al.
2014/0361872	A1	12/2014	Garcia et al.
2014/0378057	A1	12/2014	Ramon et al.
2015/0073980	A1	3/2015	Griffin et al.
2015/0081462	A1	3/2015	Ozvat et al.
2015/0105901	A1	4/2015	Joshi et al.
2015/0149992	A1	5/2015	Wade et al.
2015/0154579	A1	6/2015	Teicher

FOREIGN PATENT DOCUMENTS

WO	WO2008/083022	A1	7/2008
WO	WO2008/083025	A2	7/2008
WO	WO2008/083078	A2	7/2008
WO	WO2008/083089	A1	7/2008
WO	WO2008/083105	A2	7/2008
WO	WO2008/083115	A1	7/2008
WO	WO2008/083119	A1	7/2008

OTHER PUBLICATIONS

Kadambi, Near-Field Communication-based Secure Mobile Payment Service, Aug. 2009, 10 pgs.

Patel, Final Office Action U.S. Appl. No. 14/321,717, dated Jun. 18, 2015, 22 pgs.

Patel, Final Office Action U.S. Appl. No. 14/458,199, dated Jun. 24, 2015, 8 pgs.

Balan et al., mFerio: the design and evaluation of a peer-to-peer mobile payment system, Jun. 2009, 14 pgs.

Balfe et al., e-EMV: emulating EMV for internet payments with trusted computing Technologies, Oct. 2008, 12 pgs.

Patel, Notice of Allowance, U.S. Appl. No. 14/321,733, dated Feb. 27, 2015, 9 pgs.

Patel, Office Action U.S. Appl. No. 14/456,192, dated Jan. 30, 2015, 24 pgs.

Patel, Office Action U.S. Appl. No. 14/321,724, dated May 15, 2015, 19 pgs.

Patel, Office Action U.S. Appl. No. 14/641,236, dated May 29, 2015, 10 pgs.

Patel, Office Action U.S. Appl. No. 14/614,336, dated May 27, 2015, 17 pgs.

PayRange, Inc., International Search Report and Written Opinion, PCT/US2014/071284, Mar. 25, 2015, 9 pgs.

Bing, Bing Images Search: "dongle", <http://www.bing.com/images/search?q=dongle&FORM=HDRSC2>, Dec. 5, 2013, 2 pgs.

Google, Chromecast, <http://www.google.com/intl/devices/chromecast/>, Dec. 12, 2013, 4 pgs.

Madlmayr et al., "Near Field Communication Based Mobile Payment System," Austrian Research Funding Agency, Project 811408, Mar. 6, 2008, 13 pgs.

Patel, Office Action U.S. Appl. No. 14/321,733, dated Aug. 21, 2014, 9 pgs.

Patel, Office Action U.S. Appl. No. 14/320,534, dated Oct. 29, 2014, 18 pgs.

Patel, Final Office Action U.S. Appl. No. 14/321,733, dated Nov. 14, 2014, 11 pgs.

Patel, Office Action U.S. Appl. No. 14/335,762, dated Dec. 10, 2014, 7 pgs.

Patel, Office Action U.S. Appl. No. 14/321,717, dated Dec. 19, 2014, 16 pgs.

Patel, Office Action U.S. Appl. No. 14/456,683, dated Jan. 2, 2015, 10 pgs.

Patel, Office Action U.S. Appl. No. 14/458,199, dated Jan. 5, 2015, 7 pgs.

U.S. Appl. No. 60/871,898, Value Based Offers, inventor Mark Carlson, filed Dec. 26, 2006. US Patent and Trademark Office, 169 pgs.

Bing, Bing Images Search: "dongle", <http://www.bing.com/images/search?q=dongle&FORM=HDRSC2>, 8 pages, Dec. 5, 2013.

Google, Chromecast, <http://www.google.com/intl/en/chrome/devices/chromecast/>, 4 pages, Dec. 12, 2013.

Patel, Office Action U.S. Appl. No. 14/320,534, dated Apr. 16, 2015, 21 pgs.

Patel, Final Office Action U.S. Appl. No. 14/456,683, dated Jun. 8, 2015, 14 pgs.

Patel, Office Action U.S. Appl. No. 14/335,762, dated Sep. 18, 2015, 23 pgs.

Patel, Notice of Allowance, U.S. Appl. No. 14/456,683, dated Oct. 8, 2015, 15 pgs.

Patel, Final Office Action U.S. Appl. No. 14/458,192, dated Sep. 16, 2015, 26 pgs.

Patel, Final Office Action U.S. Appl. No. 14/321,724, dated Oct. 8, 2015, 19 pgs.

* cited by examiner

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(57)

CLAIM

We claim the ornamental design for an in-line dongle, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the exemplary second preferred in-line dongle.

FIG. 2 is a front plan view of the in-line dongle of FIG. 1.

FIG. 3 is a back plan view of the in-line dongle of FIG. 1.

FIG. 4 is a first side view of the in-line dongle of FIG. 1, the second side being a mirror image of that shown.

FIG. 5 is a first end view of a connector receptacle of the in-line dongle of FIG. 1.

FIG. 6 is a second end view of a connector receptacle of the inline dongle of FIG. 1.

FIG. 7 is a perspective view taken from the first end of the in-line dongle of FIG. 1, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes.

FIG. 8 is a perspective view taken from the second end of the inline dongle of FIG. 1, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes.

FIG. 9 is a perspective view of the in-line dongle of FIG. 1 within a vending machine.

FIG. 10 is a perspective view of the exemplary third preferred inline dongle with a gap indicating the in-line dongle can be of any length.

FIG. 11 is a front plan view of the in-line dongle of FIG. 10.

FIG. 12 is a back plan view of the in-line dongle of FIG. 10.

FIG. 13 is a first side view of the in-line dongle of FIG. 10, the second side being a mirror image of that shown.

FIG. 14 is a first end view of a connector receptacle of the in-line dongle of FIG. 10.

FIG. 15 is a second end view of a connector receptacle of the inline dongle of FIG. 10.

FIG. 16 is a perspective view taken from the first end of the in-line dongle of FIG. 10, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes.

FIG. 17 is a perspective view taken from the second end of the inline dongle of FIG. 10, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes.

FIG. 18 is a perspective view of the in-line dongle of FIG. 10 within a vending machine.

FIG. 19 is a perspective view of the exemplary fourth preferred inline dongle with two vertical gaps indicating the in-line dongle can be of any width.

FIG. 20 is a front plan view of the in-line dongle of FIG. 19.

FIG. 21 is a back plan view of the in-line dongle of FIG. 19.

FIG. 22 is a first side view of the in-line dongle of FIG. 19, the second side being a mirror image of that shown.

FIG. 23 is a first end view of a connector receptacle of the in-line dongle of FIG. 19.

FIG. 24 is a second end view of a connector receptacle of the inline dongle of FIG. 19.

FIG. 25 is a perspective view taken from the first end of the in-line dongle of FIG. 19, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes.

FIG. 26 is a perspective view taken from the second end of the inline dongle of FIG. 19, the connectors and cables between which the in-line dongle is inserted being shown in broken lines for environmental purposes; and,

FIG. 27 is a perspective view of the in-line dongle of FIG. 19 within a vending machine.

The broken line depictions such as those of the connectors, cables, vending machine, and portions of the in-line dongle are included for environmental purposes and form no part of the claimed design.

The gaps shown in phantom are meant to indicate that the in-line dongle may be of any length and/or width as indicated.

1 Claim, 18 Drawing Sheets

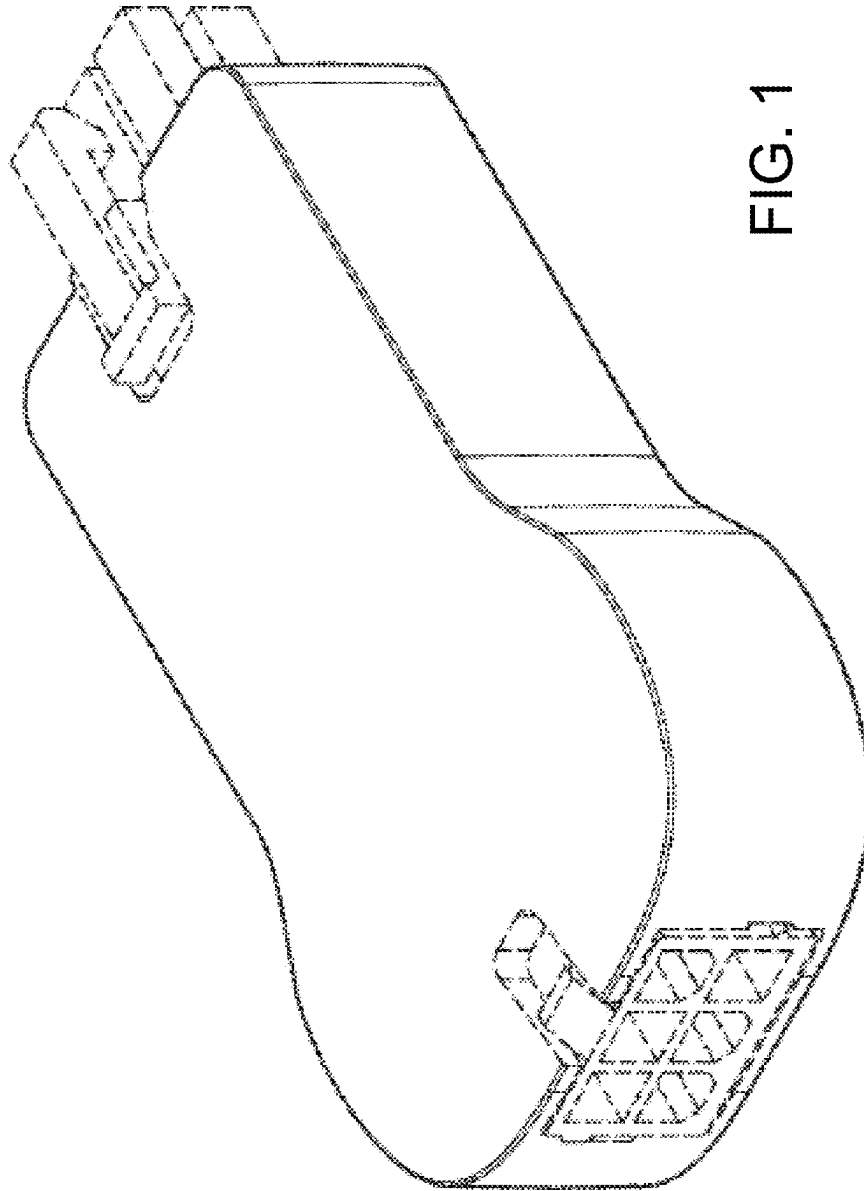
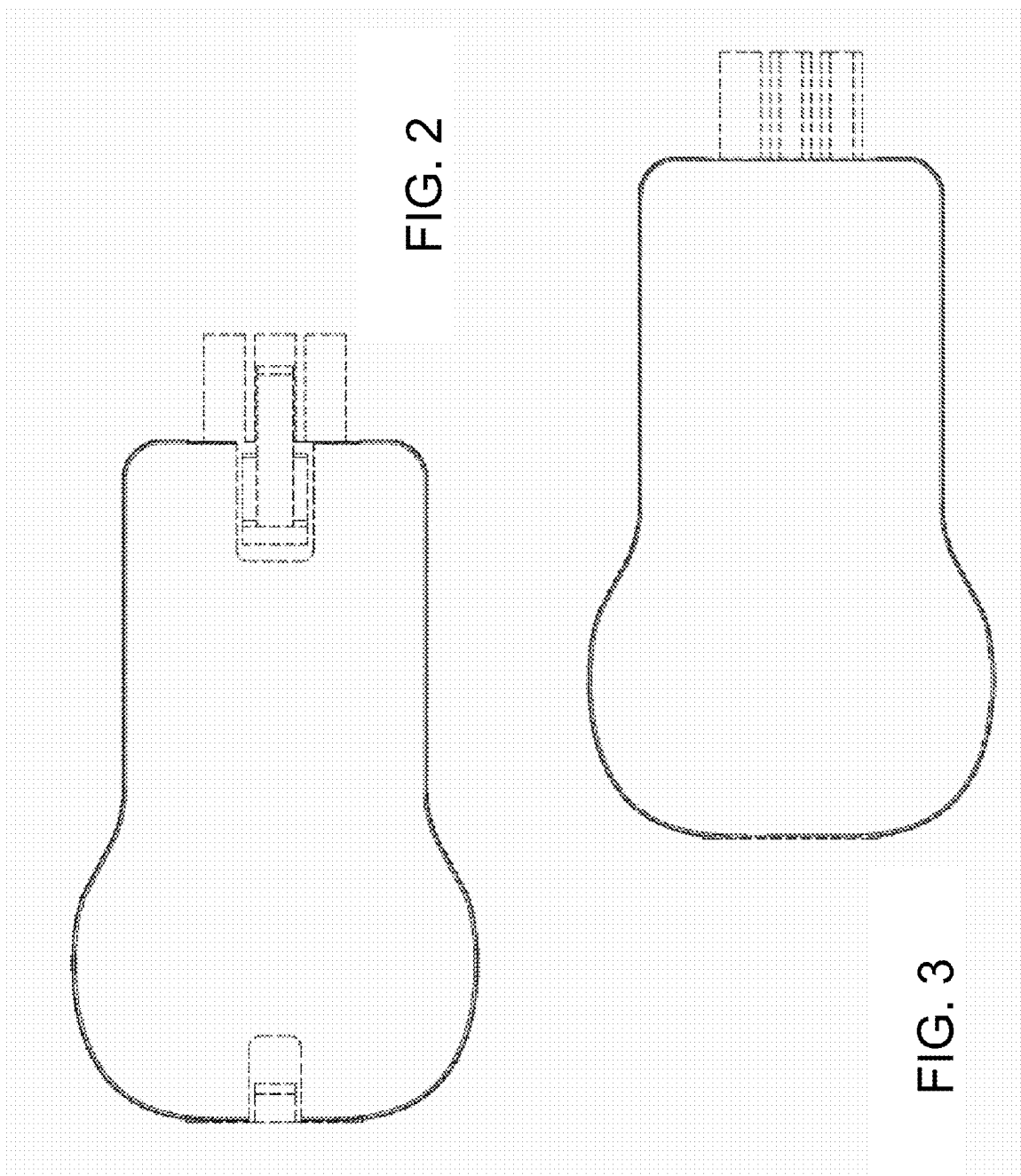


FIG. 1



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