



US00D766245S

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

(10) **Patent No.:** **US D766,245 S**

(45) **Date of Patent:** **** Sep. 13, 2016**

(54) **IMAGING DEVICE**

(71) Applicant: **Hewlett-Packard Development Company, L.P.**, Houston, TX (US)

(72) Inventors: **Yu Ri Kim**, Singapore (SG); **Chung Chiet Edwin Chin**, Singapore (SG); **Shanthamallappa Kiran Kattesomanahalli**, Singapore (SG); **Nick Su**, Singapore (SG); **Yee Mei Cheng**, Singapore (SG); **Katherine Weilbacher**, Singapore (SG); **Qian Tao**, Singapore (SG); **Tee Kiang Phang**, Singapore (SG); **Wesley Chia**, Singapore (SG)

(73) Assignee: **HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.**, Houston, TX (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/545,638**

(22) Filed: **Nov. 13, 2015**

Related U.S. Application Data

(63) Continuation of application No. 29/480,993, filed on Jan. 31, 2014, now Pat. No. Des. 745,871.

(51) **LOC (10) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/421**; D18/50; D18/53

(58) **Field of Classification Search**
USPC D14/421-425; D18/55, 49, 46, 40, D18/36-39, 41, 44, 45, 47, 48, 50-54, 56; 235/462, 455, 470, 462.43, 482, 483; 358/474, 486, 488, 496, 497, 498, 452, 358/449, 451, 453, 1.13; 318/685, 696; 355/81, 75; 399/405, 367, 379, 380; 382/217; 715/209, 222, 226, 274; 400/613, 613.1-613.4, 690.1-690.4, 400/691-694

CPC H04N 1/00; H04N 1/12; H04N 1/00013; H04N 1/00015; H04N 1/00018; H04N 1/00026; H04N 1/00557; H04N 1/00564; H04N 1/00567; H04N 1/0057; H04N 1/00572; H04N 1/00586; H04N 1/00588; H04N 1/00591; H04N 1/00594; H04N 1/00596; H04N 1/00604; H04N 1/00519;

H04N 1/00559; H04N 1/101; H04N 1/10; H04N 1/00551; H04N 1/00278; H04N 2201/0456; H04N 2201/0446; H04N 2201/00; H04N 2201/0094; G03G 15/0142; G03G 15/605; G03G 15/602; B65H 5/26; B65H 5/30; B65H 5/36; B65H 7/00; B65H 2402/515; B65H 2402/31; B65H 2511/20; B65H 2511/414; B65H 2513/42; B65H 2801/31; B65H 2215/00189; B65H 2215/00194; B65H 2215/00198; B65H 2215/00202; B65H 2215/00206; B65H 2215/20; B65H 2301/00; B65H 2220/04; B65H 3/5261

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D189,895 S 3/1961 Benson
(Continued)

OTHER PUBLICATIONS

Jacobi et al. "HP Officejet 6700 Premium e-All-in-One review", PC World, published Mar. 28, 2012, retrieved on Feb. 5, 2014 [http://www.pcadvisor.co.uk/reviews/printing/3347482/hp-officejet-6700-premium-e-all-in-one-review/], 14 pages.

(Continued)

Primary Examiner — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — Hanley Flight & Zimmermann
(57)

CLAIM

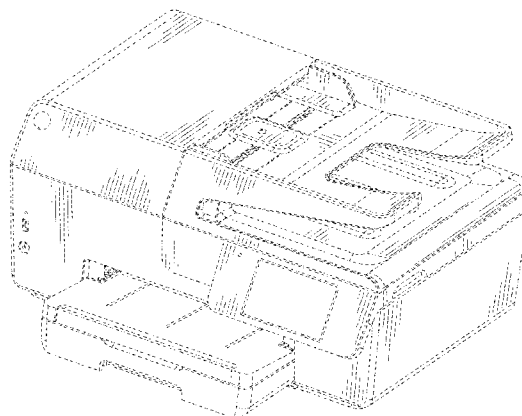
The ornamental design for an "imaging device," as shown and described.

DESCRIPTION

FIG. 1 is a front right perspective view of an imaging device. FIG. 2 is a front view of the imaging device of FIG. 1. FIG. 3 is a rear view of the imaging device of FIG. 1. FIG. 4 is a left side view of the imaging device of FIG. 1. FIG. 5 is a right side view of the imaging device of FIG. 1. FIG. 6 is a top view of the imaging device of FIG. 1. FIG. 7 is a bottom view of the imaging device of FIG. 1; and, FIG. 8 is a front left perspective view of the imaging device of FIG. 1.

Broken lines and unshaded portions contained within broken lines depict portions of the imaging device that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D216,016 S	11/1969	Waligorski		D526,351 S	8/2006	Yamamoto et al.	
D271,975 S	12/1983	Steinbugler		D527,414 S	8/2006	Miyauchi et al.	
D290,610 S	6/1987	Manning et al.		D528,151 S	9/2006	Hattori	
D292,004 S	* 9/1987	Fukuda	D18/36	D528,154 S	9/2006	Hattori	
D317,459 S	6/1991	Ono		D530,361 S	10/2006	Chambers	
D319,655 S	9/1991	Tokuda et al.		D530,737 S	10/2006	Lim et al.	
D319,656 S	9/1991	Tashiro et al.		D531,663 S	11/2006	Senda et al.	
D320,226 S	9/1991	Hermann et al.		D532,041 S	11/2006	Ishigami et al.	
D320,406 S	10/1991	Tokuda		D532,043 S	11/2006	Park et al.	
D321,714 S	11/1991	Frenkler et al.		D532,449 S	11/2006	Tjin Wong Joe et al.	
D322,274 S	12/1991	Tokuda et al.		D532,450 S	* 11/2006	Smith	D18/55
D322,276 S	12/1991	Paque		D533,218 S	12/2006	Gant et al.	
D324,066 S	2/1992	Kusenberg		D533,584 S	12/2006	Katayama et al.	
D326,867 S	6/1992	Kwak		D534,206 S	12/2006	Tomono et al.	
D331,069 S	11/1992	Hanasaki et al.		D534,947 S	1/2007	Gant et al.	
D331,401 S	12/1992	Takeuchi		D536,731 S	2/2007	Tate et al.	
D332,091 S	12/1992	Iino		D537,866 S	3/2007	Matsuda et al.	
D334,586 S	4/1993	Imai et al.		D538,330 S	3/2007	Hatanaka et al.	
D335,894 S	5/1993	Nishikaze et al.		D539,283 S	3/2007	McIntyre	
D340,259 S	10/1993	Etou et al.		D539,840 S	4/2007	Whittall et al.	
D343,191 S	1/1994	Kobayashi		D544,530 S	6/2007	Omuro et al.	
D343,192 S	1/1994	Hirose		D544,906 S	6/2007	Alfonso et al.	
D343,408 S	1/1994	Hermann		D545,356 S	6/2007	Hoshiya et al.	
D343,412 S	1/1994	Nakazato et al.		D547,369 S	7/2007	Senda et al.	
D344,974 S	3/1994	Clark et al.		D550,279 S	9/2007	Tani	
D350,150 S	8/1994	Weitkamp		D552,169 S	10/2007	Egami et al.	
D350,978 S	9/1994	Minakawa		D554,697 S	11/2007	Leman et al.	
D351,189 S	10/1994	Yamaguchi et al.		D555,194 S	* 11/2007	Smith	D18/55
D359,506 S	6/1995	Lee		D556,255 S	11/2007	Matsumoto	
D363,735 S	10/1995	Karafuji et al.		D557,737 S	12/2007	Falk et al.	
D364,419 S	11/1995	Morse et al.		D557,738 S	12/2007	Falk	
D371,157 S	6/1996	Chambers		D558,263 S	12/2007	Yamaguchi	
D376,615 S	12/1996	Dubson		D559,897 S	* 1/2008	Suzuki	D18/49
D377,369 S	1/1997	Kogoh et al.		D559,898 S	* 1/2008	Suzuki	D18/49
D378,218 S	2/1997	Hong et al.		D559,900 S	1/2008	Kimura et al.	
D378,378 S	3/1997	Nakazawa et al.		D561,248 S	2/2008	Lee et al.	
D378,926 S	4/1997	Dubson		D561,251 S	2/2008	Tjin Wong Joe et al.	
D379,363 S	5/1997	Nelson et al.		D561,822 S	2/2008	Tatara et al.	
D405,821 S	2/1999	Ishikawa		D562,379 S	2/2008	Tatara et al.	
D407,741 S	4/1999	Kusanagi		D562,380 S	2/2008	Kato et al.	
D416,572 S	11/1999	Ishida et al.		D565,650 S	4/2008	Tani	
D425,551 S	5/2000	Shiozaki et al.		D566,755 S	4/2008	Gant et al.	
D425,929 S	* 5/2000	Imai	D18/36	D567,848 S	4/2008	Kawamura et al.	
D428,049 S	7/2000	Imai		D568,387 S	5/2008	Watanabe et al.	
D431,261 S	9/2000	Haas et al.		D573,145 S	7/2008	Laidlaw et al.	
D436,122 S	* 1/2001	Isomoto	D18/49	D573,178 S	7/2008	Lee et al.	
D443,635 S	6/2001	Ogawa et al.		D573,179 S	7/2008	Bae et al.	
D443,889 S	6/2001	Yamano et al.		D573,632 S	7/2008	Iwai	
D446,544 S	8/2001	Platner et al.		D573,633 S	7/2008	Laidlaw et al.	
D446,806 S	* 8/2001	Imai	D18/36	D574,886 S	* 8/2008	Mase	D18/55
D450,751 S	11/2001	Shiozaki		D576,203 S	9/2008	Laidlaw et al.	
D456,445 S	4/2002	Kusanagi		D577,763 S	9/2008	Hidaka et al.	
D462,086 S	8/2002	Falk et al.		D578,568 S	10/2008	Chiba et al.	
D463,484 S	9/2002	Kemmochi		D579,042 S	* 10/2008	Hattori	D18/50
D465,236 S	11/2002	Fukasawa et al.		D580,483 S	11/2008	Park et al.	
D465,801 S	11/2002	Falk et al.		D581,976 S	12/2008	Park et al.	
D470,884 S	2/2003	Gotham et al.		D584,344 S	1/2009	Lee et al.	
D475,083 S	5/2003	Kusanagi		D584,348 S	1/2009	Boo et al.	
D480,417 S	10/2003	Nakayama et al.		D584,349 S	1/2009	Tani	
D482,386 S	11/2003	Hattori		D586,384 S	* 2/2009	Yamaguchi	D18/55
D482,719 S	11/2003	Hattori		D586,385 S	2/2009	Kim et al.	
D483,401 S	12/2003	LaBarbera		D590,013 S	4/2009	Miticocchio et al.	
D483,801 S	12/2003	Hattori		D591,302 S	4/2009	Yagi et al.	
D486,852 S	2/2004	Shiozaki		D593,149 S	5/2009	Park et al.	
D491,980 S	6/2004	Miyauchi et al.		D594,508 S	6/2009	Joe et al.	
D502,210 S	2/2005	Katori et al.		D595,347 S	6/2009	Tjin Wong Joe et al.	
D502,212 S	2/2005	Ishigami		D596,226 S	7/2009	Yamaguchi	
6,898,395 B2 *	5/2005	Mui	G03G 15/6541 399/107	D599,398 S	9/2009	Laidlaw et al.	
6,923,586 B2	8/2005	Yoshihara		D601,185 S	9/2009	Kim et al.	
D516,081 S	2/2006	Takimoto		D601,186 S	9/2009	Kim et al.	
D516,119 S	2/2006	Kimura et al.		D603,894 S	11/2009	Yamano et al.	
D518,514 S	4/2006	Hoshiya et al.		D607,502 S	1/2010	Lee et al.	
D521,061 S	5/2006	Katayama et al.		D607,505 S	* 1/2010	Sasaki	D14/421
D524,362 S	7/2006	Kelsay et al.		D607,506 S	1/2010	Kim et al.	
				D607,925 S	1/2010	Morrison et al.	
				D607,927 S	1/2010	Kim et al.	
				D607,928 S	1/2010	Kim et al.	
				D608,823 S	1/2010	Tomono	
				D609,741 S	2/2010	Tani	

(56)

References Cited

U.S. PATENT DOCUMENTS

D611,091 S	3/2010	Ishikawa et al.	D680,581 S	4/2013	Nakata et al.	
D617,374 S	6/2010	Sasaki et al.	D681,726 S	5/2013	Yonekawa	
D619,165 S	7/2010	Sakurai	D682,928 S	5/2013	Kim et al.	
D621,441 S	8/2010	Kim	D685,411 S *	7/2013	Tanaka	D18/49
D622,272 S	8/2010	Machida et al.	D685,414 S	7/2013	Jeong et al.	
D622,307 S	8/2010	Brown et al.	D686,275 S	7/2013	Nakazawa	
D622,761 S	8/2010	Kim et al.	D687,089 S	7/2013	Nagano et al.	
D623,221 S	9/2010	Yonekawa et al.	D688,742 S	8/2013	Kim et al.	
D623,685 S	9/2010	Tsukuda et al.	8,542,416 B2 *	9/2013	Takeuchi	H04N 1/0057 271/3.01
D624,956 S	10/2010	Park et al.	D691,570 S	10/2013	Fleischer et al.	
D624,957 S	10/2010	Park et al.	D692,477 S	10/2013	Kim et al.	
D626,588 S	11/2010	Kim et al.	D693,873 S	11/2013	Fukasawa et al.	
D632,732 S	2/2011	Park et al.	D695,339 S	12/2013	Fukasawa et al.	
D633,139 S	2/2011	Park et al.	D696,343 S	12/2013	Kim et al.	
D633,556 S	3/2011	Park et al.	D696,717 S	12/2013	Kim et al.	
D634,359 S	3/2011	Park et al.	D697,550 S	1/2014	Nanno et al.	
D639,848 S	6/2011	Sato et al.	D697,965 S	1/2014	Fukasawa et al.	
D639,850 S	6/2011	Iwai et al.	D697,966 S	1/2014	Fukasawa et al.	
D641,038 S	7/2011	Park et al.	D697,967 S	1/2014	Fukasawa et al.	
D641,393 S	7/2011	Kim et al.	D699,724 S	2/2014	Isozaki	
D641,395 S	7/2011	Park et al.	D701,563 S	3/2014	Kim et al.	
D641,396 S	7/2011	Park et al.	D702,759 S	4/2014	Oda	
D641,397 S	7/2011	Kim et al.	D702,760 S	4/2014	Kim et al.	
D641,398 S	7/2011	Kim et al.	8,690,061 B2	4/2014	Hall, Jr. et al.	
D641,778 S	7/2011	Lee et al.	D705,781 S *	5/2014	Yin	D14/421
D642,212 S	7/2011	Terenzio et al.	D714,861 S	10/2014	Tsuruoka et al.	
D643,464 S	8/2011	Sato et al.	D718,313 S	11/2014	Goh et al.	
D643,874 S	8/2011	Kim et al.	D718,314 S	11/2014	Chan et al.	
D643,875 S	8/2011	Suzuki et al.	D718,383 S *	11/2014	Lo	D18/55
D645,078 S	9/2011	Kim et al.	D720,397 S	12/2014	Hirabayashi et al.	
D645,502 S	9/2011	Amemiya et al.	D720,754 S	1/2015	Chin et al.	
D645,897 S	9/2011	Chuang et al.	D720,803 S	1/2015	Inada	
D647,130 S	10/2011	Kim et al.	D721,131 S	1/2015	Inada	
D647,131 S	10/2011	Park et al.	D724,140 S *	3/2015	Nishimura	D18/50
D647,132 S	10/2011	Kim et al.	D724,142 S	3/2015	Kim et al.	
D647,133 S	10/2011	Sato et al.	D726,249 S	4/2015	Kim et al.	
D647,958 S	11/2011	Yoshioka et al.	D726,250 S	4/2015	Kim et al.	
D648,376 S	11/2011	Asano et al.	D726,251 S	4/2015	Kim et al.	
D649,183 S	11/2011	Miyauchi et al.	D727,409 S *	4/2015	Saito	D18/36
D650,834 S	12/2011	Brown et al.	D727,410 S	4/2015	Saito	
D652,445 S	1/2012	Burton et al.	D729,310 S	5/2015	Nakagawa et al.	
8,089,666 B2	1/2012	Andoh et al.	D730,979 S	6/2015	Anantha et al.	
D660,350 S	5/2012	Falk et al.	D733,216 S	6/2015	Kuramochi	
D660,351 S	5/2012	Larson et al.	D733,711 S	7/2015	Nakagawa et al.	
D661,345 S	6/2012	Asano et al.	D733,712 S	7/2015	Nakagawa	
D661,346 S	6/2012	Suzuki et al.	D734,338 S	7/2015	Nakagawa	
D664,190 S	7/2012	Matsuda et al.	D738,956 S *	9/2015	Larson	D18/49
D664,192 S	7/2012	Emmenegger et al.	D745,871 S	12/2015	Kim et al.	
D664,193 S	7/2012	Larson et al.	D752,134 S *	3/2016	Uchikawa	D18/36
D665,012 S	8/2012	Saito et al.	2003/0164957 A1	9/2003	Komaki	
D665,445 S	8/2012	Emmenegger et al.	2005/0078340 A1	4/2005	Kato	
D665,840 S	8/2012	Tani	2010/0078872 A1	4/2010	Asada et al.	
D667,017 S	9/2012	Tani	2010/0245947 A1 *	9/2010	Takeuchi	H04N 1/00525 358/498
D667,486 S	9/2012	Inoue et al.				
D667,489 S	9/2012	Inoue et al.				
D667,490 S	9/2012	Inoue et al.				
D669,526 S	10/2012	Sakurai	2011/0211237 A1 *	9/2011	Osakabe	H04N 1/00681 358/498
D670,326 S	11/2012	Yoshida				
D670,328 S	11/2012	Suzuki et al.	2011/0242622 A1 *	10/2011	Takeuchi	H04N 1/024 358/498
D671,593 S	11/2012	Kinoshita et al.				
D672,387 S	12/2012	Kim et al.	2014/0168728 A1 *	6/2014	Fujiwara	H04N 1/00551 358/498
D672,388 S	12/2012	Kim et al.				
D673,213 S	12/2012	Kim et al.	2014/0355084 A1 *	12/2014	Inada	H04N 1/00554 358/498
D674,008 S	1/2013	Miller et al.				
D674,009 S	1/2013	Yoshida	2014/0368895 A1 *	12/2014	Teramoto	H04N 1/00824 358/498
D674,010 S	1/2013	Nanno				
D674,011 S	1/2013	Sato				
D676,483 S	2/2013	Kim et al.	2015/0055200 A1 *	2/2015	Hama	H04N 1/00 358/498
D676,903 S	2/2013	Kim et al.				
8,379,278 B2 *	2/2013	Kawai	2015/0092203 A1	4/2015	Hashimoto	
			2015/0116737 A1	4/2015	Taira	
D677,328 S	3/2013	Kim et al.	2015/0172501 A1 *	6/2015	Wilsher	H04N 1/1039 358/498
D680,161 S	4/2013	Goh et al.				
D680,162 S	4/2013	Goh et al.	2015/0186760 A1 *	7/2015	Albrecht	H04N 1/0032 358/498
D680,163 S *	4/2013	Lim				

(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0281499 A1 * 10/2015 Hamaguchi H04N 1/00572
358/498

OTHER PUBLICATIONS

“Customer reviews for hp HP Officejet 4620 e-All-in-One Printer”, retrieved on Feb. 5, 2014, [http://reviews.shopping.hp.com/8843/CZ152A_BVEP_B1H/hp-officejet-4620-e-all-in-one-printer-reviews/reviews.htm], 53 pages.

Francis D’Sa, “HP Officejet Pro 3620 Review,” published Apr. 24, 2013, retrieved on Feb. 5, 2014, [<http://tech2.in.com/reviews/mfps/hp-officejet-pro-3620-review/871242>], 7 pages.

“HP Deskjet Ink Advantage 4625 e-All-in-One Printer,” retrieved on Feb. 5, 2014 [http://m.hp.com/emea_africa/en/products/printers/product-detail.do?oid=526159611], 10 pages.

“HP Officejet Pro 8600 Plus e-All-in-One Printer—N911g (CM750A)”, retrieved on Feb. 5, 2014, [http://www8.hp.com/lamerica_nsc_carib/en/products/printers/product-detail.html?oid=4323650#!tab=features], 11 pages.

“HP Officejet 7500A Wide Format e-All-in-one Printer—E910a (C9309A)”, retrieved on Feb. 5, 2014, [<http://www8.hp.com/in/en/products/printers/product-detail.html?oid=4083651#!tab=features>], 16 pages.

“HP Officejet Pro 8500A (A910) e-All-in-One Series Printer Product Specifications”, retrieved on Feb. 7, 2014, [<http://h10025.www1.hp.com/ewfrf/wc/document?cc=in&dlc=en>

&docname=c02173269&lc=en&jumpid=reg_r1002_inen_c-001_title_r0001#N53], 14 pages.

“HP LaserJet Pro M1136 Multifunction Printer (CE849A)” retrieved on Feb. 7, 2014, [<http://www8.hp.com/in/en/products/printers/product-detail.html?oid=4075453#!tab=specs>], 12 pages.

“HP LaserJet Pro CM1415 Color Multifunctional Printer series”, retrieved on Feb. 5, 2014, [http://h10010.www1.hp.com/wwpc/in/en/sm/WF10a/18972-18972-3328064-3328083-3328083-4089171.html?jumpid=in_r2515_in/en/smb/psg/psc404redir-ot-xx-xx-/chev/], 1 page.

United States Patent and Trademark Office, “Notice of Allowance”, issued in connection with U.S. Appl. No. 29/480,993, mailed on Aug. 14, 2015, 25 pages.

United States Patent and Trademark Office, “Non-Final Office Action”, issued in connection with U.S. Appl. No. 29/480,993, mailed on Apr. 30, 2015, 4 pages.

United States Patent and Trademark Office, “Restriction”, issued in connection with U.S. Appl. No. 29/480,993, mailed on Mar. 4, 2015, 7 pages.

State Intellectual Property Office of the People’s Republic of China, “Office Action”, issued in connection with Chinese Patent Application No. 201430265868.5, issued on Apr. 20, 2015, 1 page.

State Intellectual Property Office of the People’S Republic of China, “Notice of Allowance”, Issued in connection with Chinese Patent Application No. 201430265868.5, issued on Sep. 14, 2015, 6 pages.

* cited by examiner

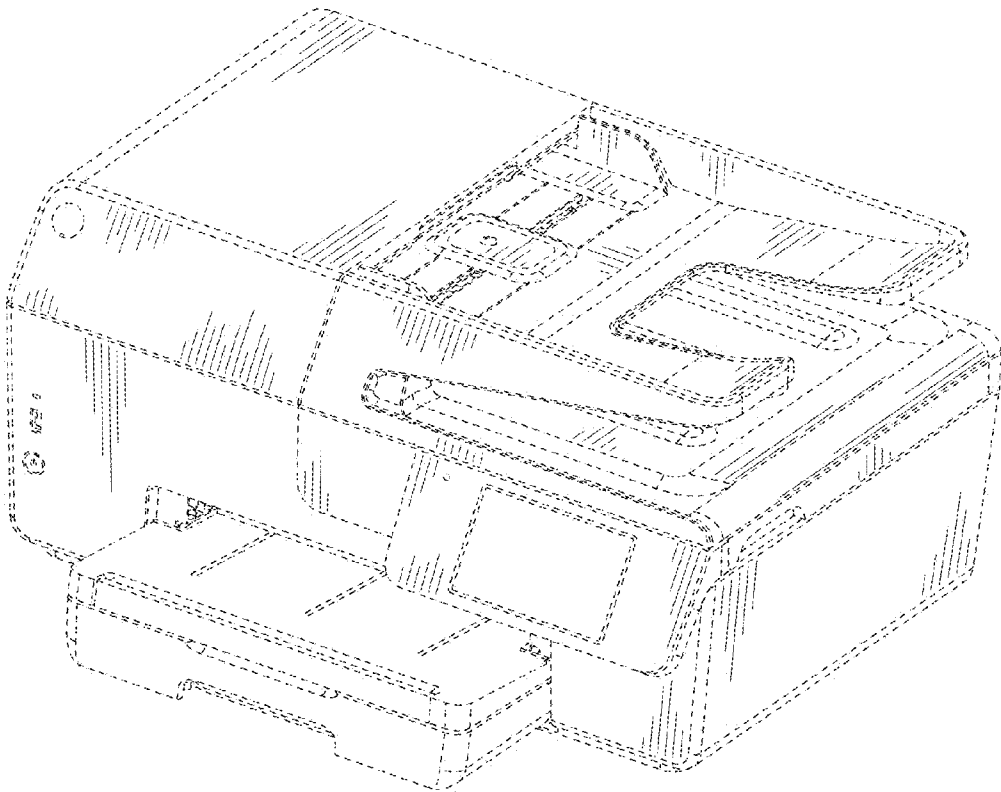


FIG. 1

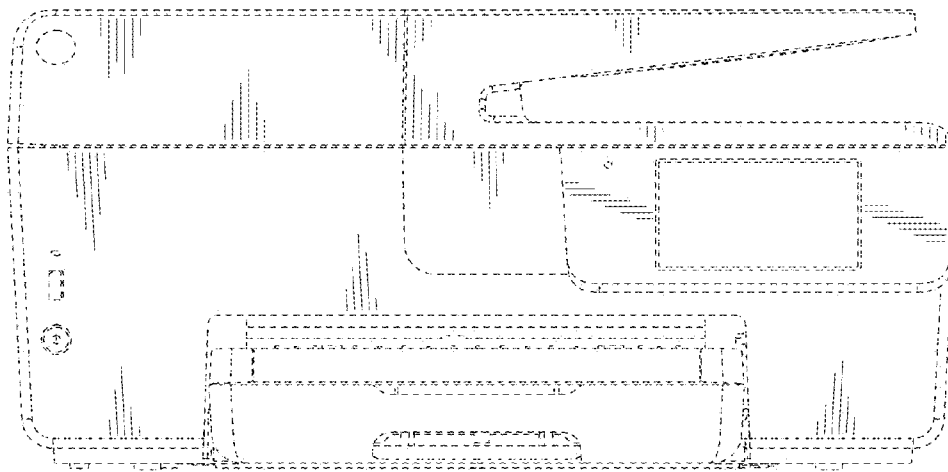


FIG. 2

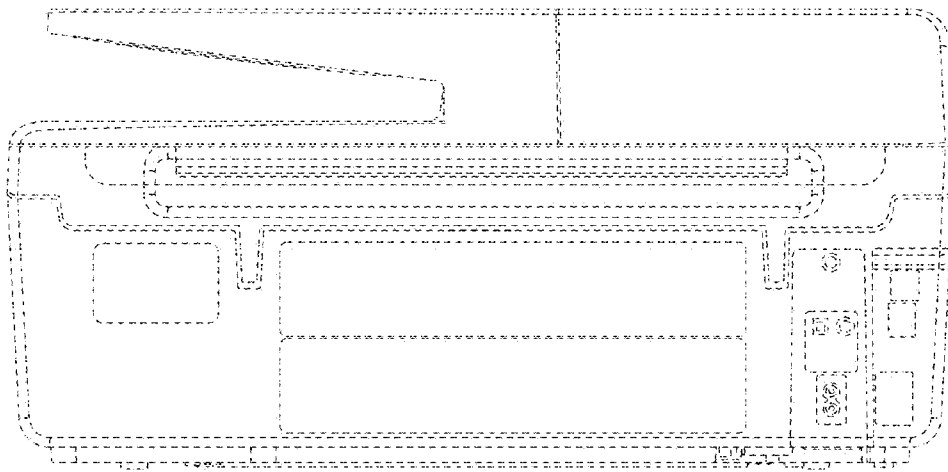


FIG. 3

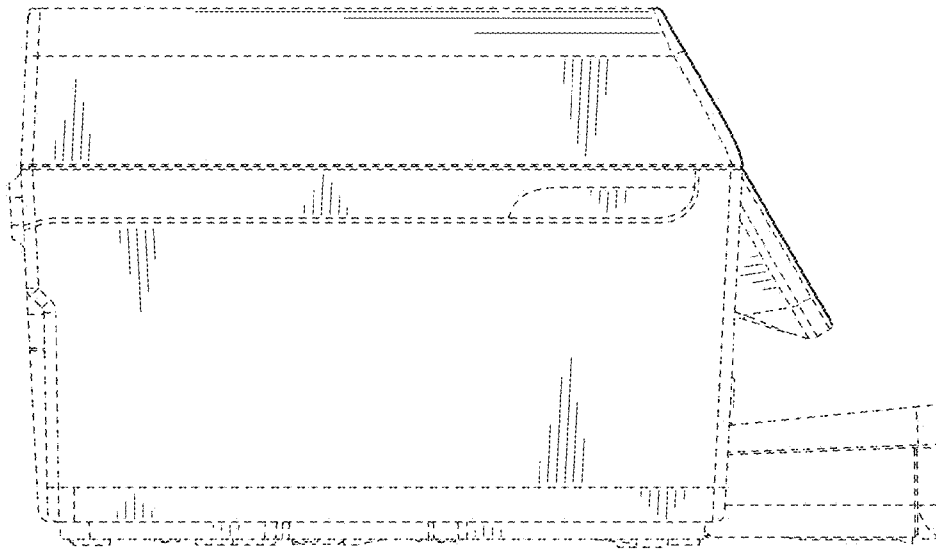


FIG. 4

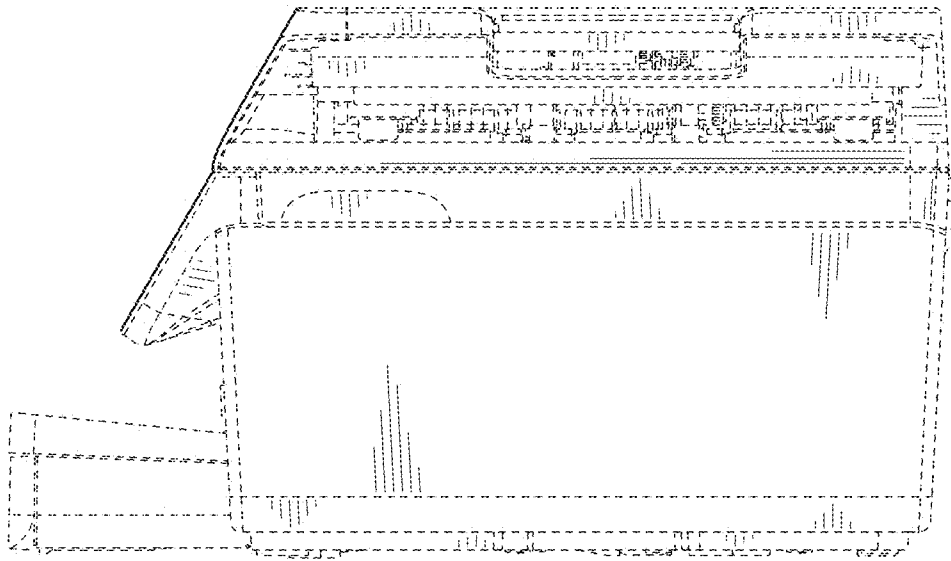


FIG. 5

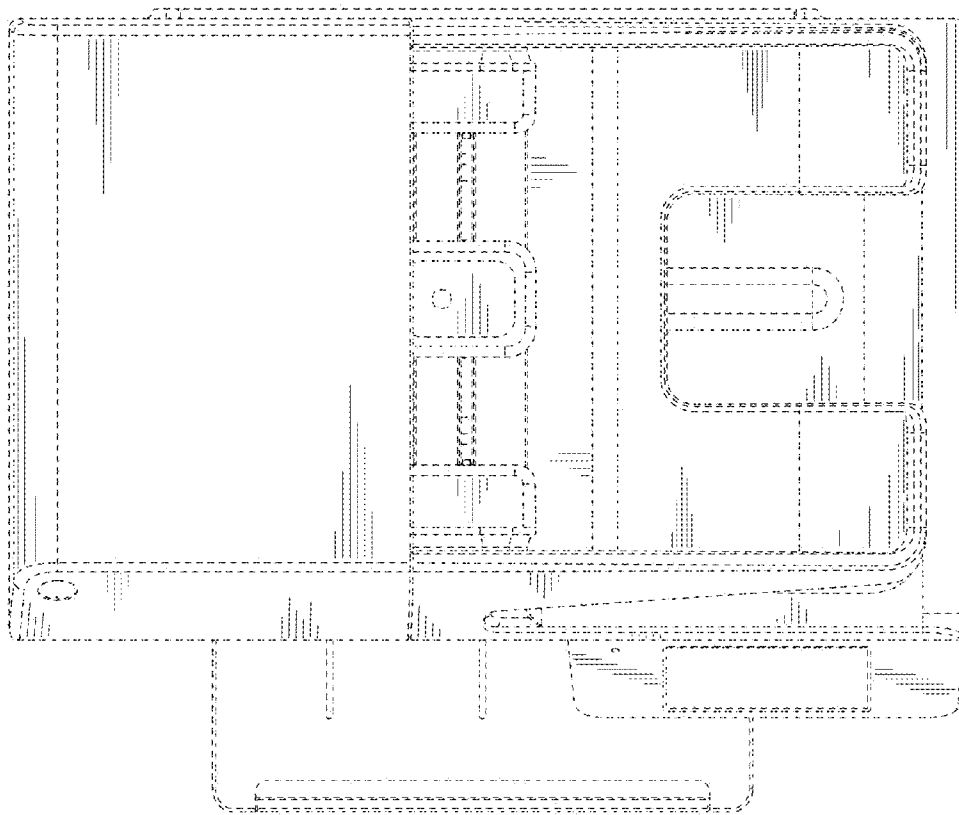


FIG. 6

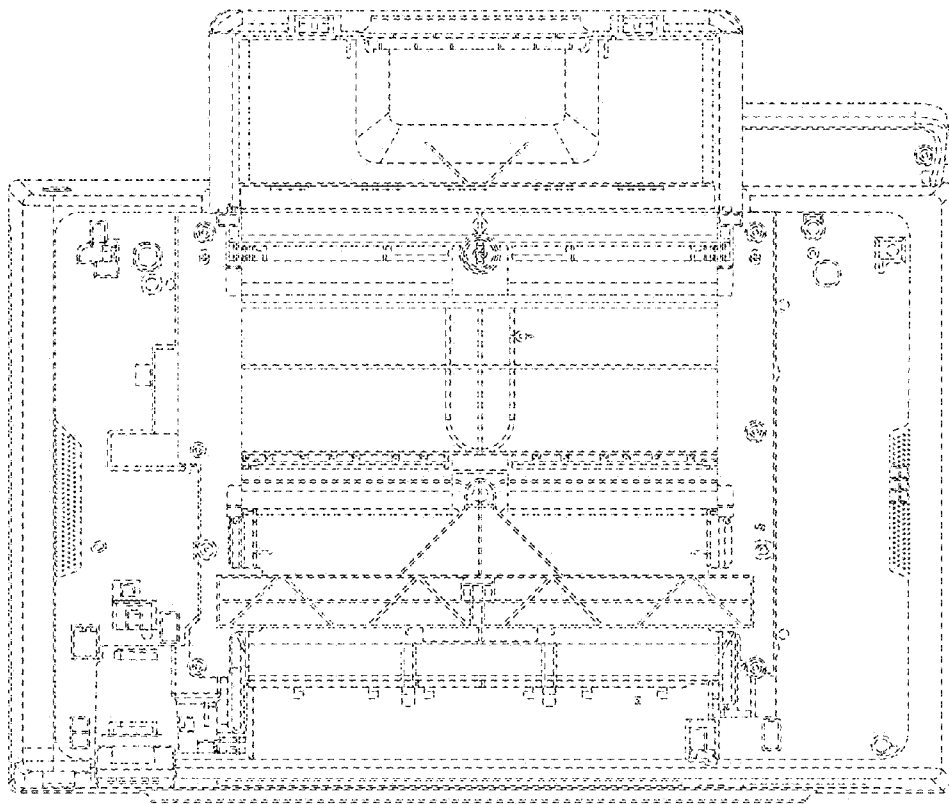


FIG. 7

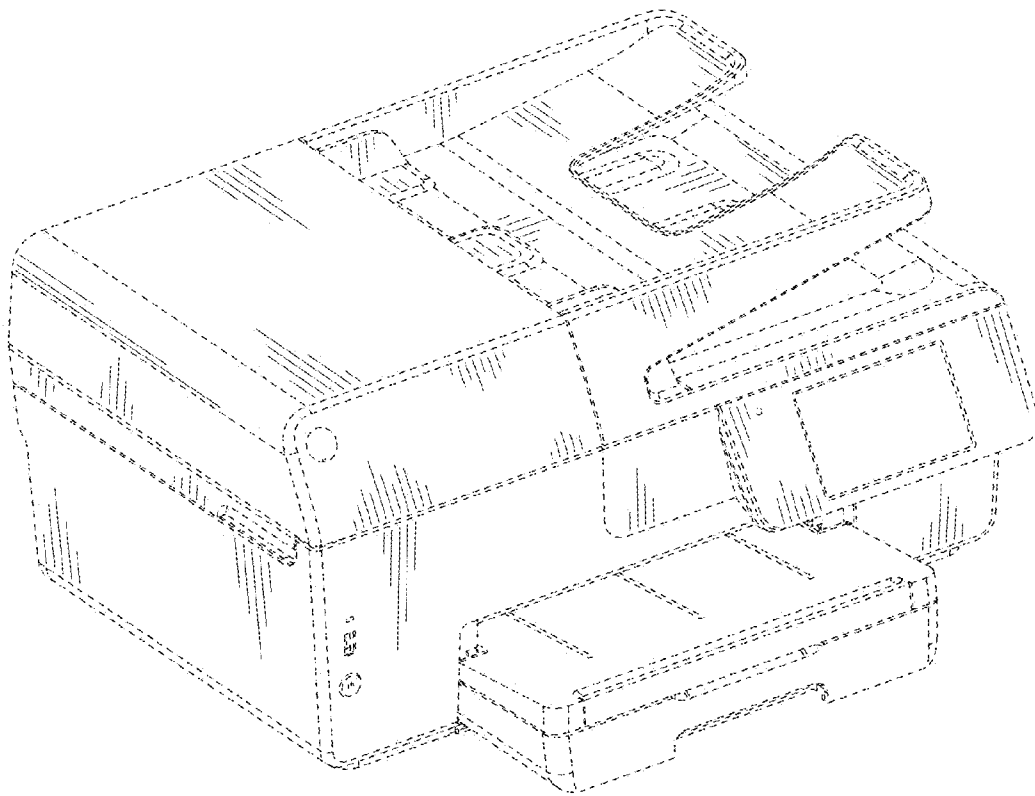


FIG. 8