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Nakagawa

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(54) **SCANNER**

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(52) **U.S. CL.**

USPC **D14/421**

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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
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H04N 1/00567; H04N 1/0057; H04N 1/00572;
H04N 1/00586; H04N 1/00588; H04N
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H04N 1/00604; H04N 1/00519; H04N
1/00559; H04N 1/1013; 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 2801/39;
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

D194,815 S * 3/1963 Graves D18/36
3,155,031 A * 11/1964 Ingves et al. 101/19

(Continued)

FOREIGN PATENT DOCUMENTS

JP D-1386502 7/2011

OTHER PUBLICATIONS

U.S. Appl. No. 29/491,324, filed May 20, 2014 in the name of
Ryoichi Nakagawa et al.

(Continued)

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(74) *Attorney, Agent, or Firm* — Oliff PLC

(57)

CLAIM

The ornamental design for a scanner, as shown and
described..

DESCRIPTION

FIG. 1 is a perspective view of a scanner;

FIG. 2 is a front view thereof;

FIG. 3 is a top view thereof;

FIG. 4 is a right-side view thereof;

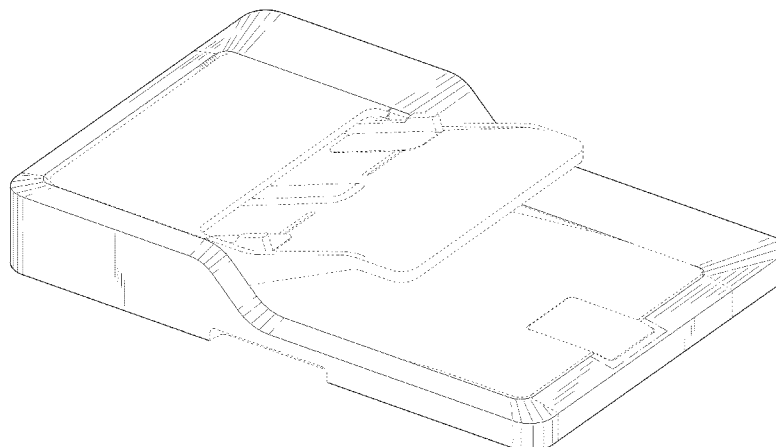
FIG. 5 is a left-side view thereof;

FIG. 6 is a rear view thereof; and,

FIG. 7 is a bottom view thereof.

Broken lines and entirely unshaded portions contained within
broken lines are not claimed. Dot-dash boundary lines indi-
cate the border at which disclaimed portions terminate and
claimed portions begin.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D227,034	S	*	5/1973	Derby et al.	D18/49	D534,175	S	*	12/2006	Orihashi et al.	D14/463
D234,005	S	*	12/1974	Yagi et al.	D18/49	D534,578	S	*	1/2007	Katayama et al.	D18/55
D263,962	S	*	4/1982	Kurozumi	D18/49	D535,686	S	*	1/2007	Ishio	D18/39
D265,655	S	*	8/1982	Goto	D18/38	D536,372	S	*	2/2007	Lim et al.	D18/53
D272,830	S	*	2/1984	Hara et al.	D18/49	D539,283	S	*	3/2007	McIntyre	D14/425
D276,238	S	*	11/1984	Kosako et al.	D18/49	D539,839	S	*	4/2007	Brinkly et al.	D18/49
D278,347	S	*	4/1985	Kawazu	D18/49	D544,532	S	*	6/2007	Matsumoto et al.	D18/50
D279,783	S	*	7/1985	Jordan et al.	D18/55	D545,357	S	*	6/2007	Hattori et al.	D18/55
D280,906	S	*	10/1985	Imada	D18/37	D550,768	S	*	9/2007	Hoshiya et al.	D18/55
D282,667	S	*	2/1986	Hara et al.	D18/49	D551,700	S	*	9/2007	Park et al.	D18/55
D283,625	S	*	4/1986	Goto	D18/49	D555,194	S	*	11/2007	Smith et al.	D18/55
4,674,735	A	*	6/1987	DuBois et al.	271/10.13	D555,195	S	*	11/2007	Park et al.	D18/55
D295,185	S	*	4/1988	Tokuda	D18/49	D556,256	S	*	11/2007	Matsumoto	D18/55
D298,948	S	*	12/1988	Ishii et al.	D18/49	D556,257	S	*	11/2007	Yamaguchi	D18/55
D299,833	S	*	2/1989	Hirata	D18/49	D557,737	S	*	12/2007	Falk et al.	D18/53
D303,547	S	*	9/1989	Katada	D18/49	D557,738	S	*	12/2007	Falk	D18/53
D310,238	S	*	8/1990	Hirata	D18/49	D558,823	S	*	1/2008	Alfonso et al.	D18/55
D310,239	S	*	8/1990	Hirata	D18/49	D558,824	S	*	1/2008	Alfonso et al.	D18/55
4,955,595	A	*	9/1990	Kawano et al.	271/9.09	D559,897	S	*	1/2008	Suzuki et al.	D18/49
D311,755	S	*	10/1990	Aoyama et al.	D18/49	D559,898	S	*	1/2008	Suzuki et al.	D18/49
D311,909	S	*	11/1990	Chen	D14/420	D561,248	S	*	2/2008	Lee et al.	D18/50
D314,789	S	*	2/1991	Hirata et al.	D18/49	D561,250	S	*	2/2008	Smith et al.	D18/55
D316,268	S	*	4/1991	Miyajima et al.	D18/49	D561,251	S	*	2/2008	Tjin Wong Joe et al.	D18/55
D319,072	S	*	8/1991	Tanizawa et al.	D18/49	D561,824	S	*	2/2008	Park et al.	D18/55
D322,626	S	*	12/1991	Imai	D18/49	D564,018	S	*	3/2008	Ishii et al.	D18/49
D324,536	S	*	3/1992	Isomoto et al.	D18/49	7,338,043	B2	*	3/2008	Sorenson et al.	271/162
D326,867	S	*	6/1992	Kwak	D18/55	D573,633	S	*	7/2008	Laidlaw et al.	D18/55
D328,758	S	*	8/1992	Isomoto	D18/49	D574,886	S	*	8/2008	Mase et al.	D18/55
D329,869	S	*	9/1992	Suzuki	D18/49	D575,330	S	*	8/2008	Egami et al.	D18/55
D337,605	S	*	7/1993	Tashiro et al.	D18/49	D576,201	S	*	9/2008	Yamagata et al.	D18/49
D337,606	S	*	7/1993	Khovaylo	D18/49	D576,203	S	*	9/2008	Laidlaw et al.	D18/55
D344,095	S	*	2/1994	Isomoto et al.	D18/49	D578,568	S	*	10/2008	Chiba et al.	D18/50
D350,765	S	*	9/1994	Hiroki et al.	D18/36	D579,490	S	*	10/2008	Laidlaw et al.	D18/55
D350,769	S	*	9/1994	Hattori et al.	D18/49	D579,973	S	*	11/2008	Park et al.	D18/55
D354,078	S	*	1/1995	Hiroki	D18/49	D580,483	S	*	11/2008	Park et al.	D18/39
D354,307	S	*	1/1995	Yamamoto	D18/49	D581,976	S	*	12/2008	Park et al.	D18/55
D367,495	S	*	2/1996	Chen et al.	D18/49	D584,344	S	*	1/2009	Lee et al.	D18/43
D374,457	S	*	10/1996	Naruki	D18/49	D584,766	S	*	1/2009	Tani	D18/55
D380,204	S	*	6/1997	Kogoh et al.	D14/425	D586,384	S	*	2/2009	Yamaguchi et al.	D18/55
D384,693	S	*	10/1997	Kenmochi et al.	D18/49	D586,385	S	*	2/2009	Kim et al.	D18/55
D403,696	S	*	1/1999	Kobayashi et al.	D18/40	D589,084	S	*	3/2009	Suzuki et al.	D18/36
D403,698	S	*	1/1999	Kobayashi et al.	D18/49	D591,302	S	*	4/2009	Yagi et al.	D14/421
D404,421	S	*	1/1999	Takeuchi	D18/49	D594,508	S	*	6/2009	Joe et al.	D18/55
D405,110	S	*	2/1999	Yamamoto et al.	D18/54	D595,347	S	*	6/2009	Tjin Wong Joe et al.	D18/55
D421,043	S	*	2/2000	Shibata et al.	D18/39	D596,226	S	*	7/2009	Yamaguchi	D18/55
D421,622	S	*	3/2000	Khovaylo et al.	D18/49	D596,227	S	*	7/2009	Larson et al.	D18/55
D430,595	S	*	9/2000	Khovaylo et al.	D18/49	D600,277	S	*	9/2009	Hisatsune	D18/55
D435,859	S	*	1/2001	Khovaylo et al.	D18/49	D605,222	S	*	12/2009	Yoshioka et al.	D18/55
D436,122	S	*	1/2001	Isomoto	D18/49	D606,115	S	*	12/2009	Sato	D18/55
D436,369	S	*	1/2001	Sasaki et al.	D18/39	D607,505	S	*	1/2010	Sasaki et al.	D18/55
D437,348	S	*	2/2001	Hirose et al.	D18/55	D608,823	S	*	1/2010	Tomono	D18/55
D437,878	S	*	2/2001	Nakada et al.	D18/40	D609,270	S	*	2/2010	Kato et al.	D18/55
D449,063	S	*	10/2001	Khovaylo et al.	D18/49	D611,091	S	*	3/2010	Ishikawa et al.	D18/55
D453,785	S	*	2/2002	Grossmann	D18/48	D613,791	S	*	4/2010	Yoshioka et al.	D18/55
D465,801	S	*	11/2002	Falk et al.	D18/39	D613,792	S	*	4/2010	Suzuki et al.	D18/55
D472,266	S	*	3/2003	Khovaylo et al.	D18/49	D614,235	S	*	4/2010	Nakata	D18/55
D478,082	S	*	8/2003	Khovaylo et al.	D14/425	D614,693	S	*	4/2010	Kato et al.	D18/50
D483,401	S	*	12/2003	LaBarbera	D18/53	D616,927	S	*	6/2010	Suzuki et al.	D18/55
D483,402	S	*	12/2003	LaBarbera et al.	D18/53	D619,645	S	*	7/2010	Sato	D18/49
D493,817	S	*	8/2004	Yoshida et al.	D18/39	D619,646	S	*	7/2010	Brown et al.	D18/49
D494,211	S	*	8/2004	Yoshida et al.	D18/39	D620,046	S	*	7/2010	Brinkly	D18/49
D497,942	S	*	11/2004	Yoshida et al.	D18/53	D621,443	S	*	8/2010	Nishiguchi	D18/53
D497,943	S	*	11/2004	LaBarbera	D18/53	D622,272	S	*	8/2010	Machida et al.	D14/421
D502,210	S	*	2/2005	Katori et al.	D18/39	D622,762	S	*	8/2010	Egami et al.	D18/55
D515,131	S	*	2/2006	Hwang et al.	D18/55	D626,588	S	*	11/2010	Kim et al.	D18/39
D516,081	S	*	2/2006	Takimoto	D14/463	D633,555	S	*	3/2011	Egami	D18/50
D528,154	S	*	9/2006	Hattori	D18/54	D633,556	S	*	3/2011	Park et al.	D18/55
D528,155	S	*	9/2006	Katayama	D18/55	D634,360	S	*	3/2011	Brown et al.	D18/55
D530,737	S	*	10/2006	Lim et al.	D18/50	D639,849	S	*	6/2011	Sato et al.	D18/50
D531,175	S	*	10/2006	Moskaluk et al.	D14/300	D639,851	S	*	6/2011	Penke et al.	D18/55
D532,043	S	*	11/2006	Park et al.	D18/50	7,970,337	B2	*	6/2011	Uchida et al.	399/367
D532,449	S	*	11/2006	Tjin Wong Joe et al.	D18/55	D641,778	S	*	7/2011	Lee et al.	D18/55
D532,450	S	*	11/2006	Smith et al.	D18/55	D642,212	S	*	7/2011	Terenzio et al.	D18/55
D532,451	S	*	11/2006	Ito et al.	D18/55	D643,464	S	*	8/2011	Sato et al.	D18/55
D533,218	S	*	12/2006	Gant et al.	D18/55	D645,896	S	*	9/2011	Iwai et al.	D18/50
						D647,133	S	*	10/2011	Sato et al.	D18/55
						D647,958	S	*	11/2011	Yoshioka et al.	D18/50
						D648,376	S	*	11/2011	Asano et al.	D18/50
						D649,183	S	*	11/2011	Miyauchi et al.	D18/50

(56)

References Cited

U.S. PATENT DOCUMENTS

8,154,770	B2 *	4/2012	Shiraki et al.	358/401
D660,350	S *	5/2012	Falk et al.	D18/53
D660,351	S *	5/2012	Larson et al.	D18/55
D661,345	S *	6/2012	Asano et al.	D18/50
D661,728	S *	6/2012	Suzuki et al.	D18/50
D662,130	S *	6/2012	Kitazawa et al.	D18/50
D662,974	S *	7/2012	Suzuki et al.	D18/55
D665,013	S *	8/2012	Ishikawa et al.	D18/50
D666,239	S *	8/2012	Larson et al.	D18/55
D667,035	S *	9/2012	Rapp	D15/145
D667,486	S *	9/2012	Inoue et al.	D18/50
D667,488	S *	9/2012	Inoue et al.	D18/55
D670,326	S *	11/2012	Yoshida	D18/55
D670,328	S *	11/2012	Suzuki et al.	D18/55
D673,213	S *	12/2012	Kim et al.	D18/55
D673,603	S *	1/2013	Suzuki et al.	D18/55
D674,011	S *	1/2013	Sato	D18/55
D674,435	S *	1/2013	Inoue et al.	D18/55
D675,673	S *	2/2013	Sato	D18/50
D676,483	S *	2/2013	Kim et al.	D18/50
D680,163	S *	4/2013	Lim et al.	D18/55
D680,581	S *	4/2013	Nakata et al.	D18/50
D681,721	S *	5/2013	Iwai et al.	D18/50
D681,722	S *	5/2013	Seki et al.	D18/50
D681,723	S *	5/2013	Gilbert et al.	D18/55
D681,726	S *	5/2013	Yonekawa	D18/55
D682,928	S *	5/2013	Kim et al.	D18/55
D683,394	S *	5/2013	Suzuki et al.	D18/50
D685,411	S *	7/2013	Tanaka et al.	D18/49
D685,412	S *	7/2013	Jihoon et al.	D18/50
D685,414	S *	7/2013	Jeong et al.	D18/53
D686,658	S *	7/2013	Matsuno et al.	D18/50
D686,659	S *	7/2013	Tanaka et al.	D18/55
D687,092	S *	7/2013	Suzuki et al.	D18/49
D687,093	S *	7/2013	Klocke et al.	D18/50
D688,742	S *	8/2013	Kim et al.	D18/55
D689,542	S *	9/2013	Klocke et al.	D18/50
D689,543	S *	9/2013	Seki et al.	D18/50
8,542,415	B2 *	9/2013	Takeuchi et al.	358/498
8,542,416	B2 *	9/2013	Takeuchi	358/498
D691,570	S *	10/2013	Fleischer et al.	1/1
D692,477	S *	10/2013	Kim et al.	D18/53
D694,316	S *	11/2013	Jihoon et al.	D18/50
D695,339	S *	12/2013	Fukasawa et al.	D18/55
D697,550	S *	1/2014	Nanno et al.	D18/50
D697,966	S *	1/2014	Fukasawa et al.	D18/55
D697,967	S *	1/2014	Fukasawa et al.	D18/55
D698,389	S *	1/2014	Fukasawa et al.	D18/55
D699,725	S *	2/2014	Sato et al.	D14/421
D701,561	S *	3/2014	Jihoon et al.	D18/50
D702,760	S *	4/2014	Kim et al.	D18/55
D705,781	S *	5/2014	Yin et al.	D14/421
D714,861	S *	10/2014	Tsuruoka et al.	D18/50
D718,313	S *	11/2014	Goh et al.	D14/421
D718,383	S *	11/2014	Lo et al.	D18/55
D720,754	S *	1/2015	Chin et al.	D14/422
D721,131	S *	1/2015	Inada	D18/50
2002/0113979	A1 *	8/2002	Rahgozar et al.	358/1.6
2003/0063332	A1 *	4/2003	Sato	358/474
2003/0164957	A1 *	9/2003	Komaki	358/1.6
2003/0179390	A1 *	9/2003	Kitozaki	358/1.6
2004/0217537	A1 *	11/2004	Ohama	271/3.14
2006/0023267	A1 *	2/2006	Ikeno et al.	358/474
2007/0001015	A1 *	1/2007	Suzuki et al.	235/472.02
2007/0201109	A1 *	8/2007	Osakabe et al.	358/474
2007/0287566	A1 *	12/2007	Osakabe	475/162
2009/0315253	A1 *	12/2009	Osakabe et al.	271/121
2010/0020370	A1 *	1/2010	Ishikawa	358/498
2011/0157662	A1 *	6/2011	Kozaki	358/488
2012/0038955	A1 *	2/2012	Ooshio	358/474
2012/0081761	A1 *	4/2012	Nakamura et al.	358/474
2013/0114116	A1 *	5/2013	Ikeno et al.	358/474
2014/0151959	A1 *	6/2014	Oyamada et al.	271/264

OTHER PUBLICATIONS

U.S. Appl. No. 29/491,334, filed May 20, 2014 in the name of Ryoichi Nakagawa.

* cited by examiner

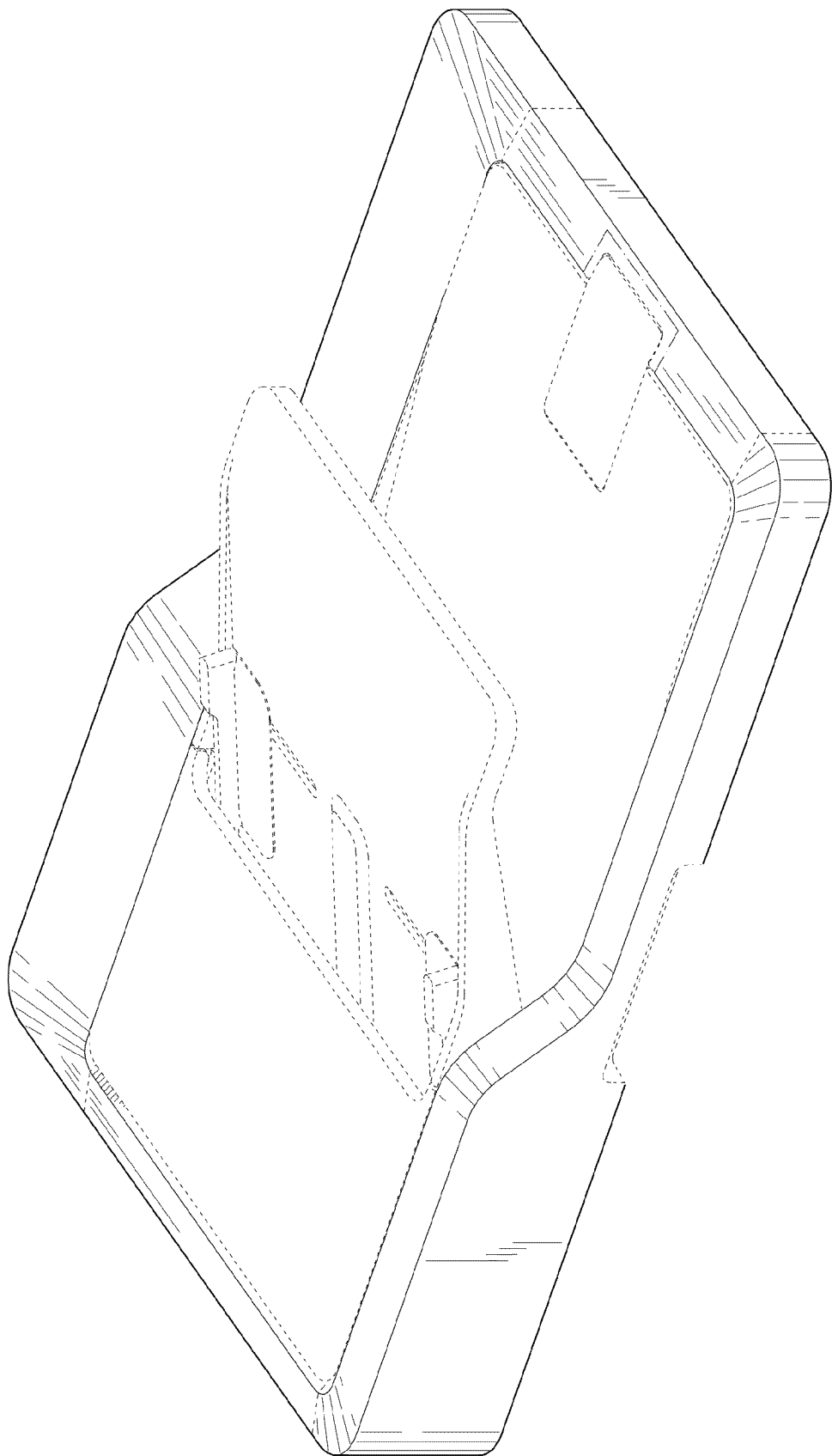


FIG. 1

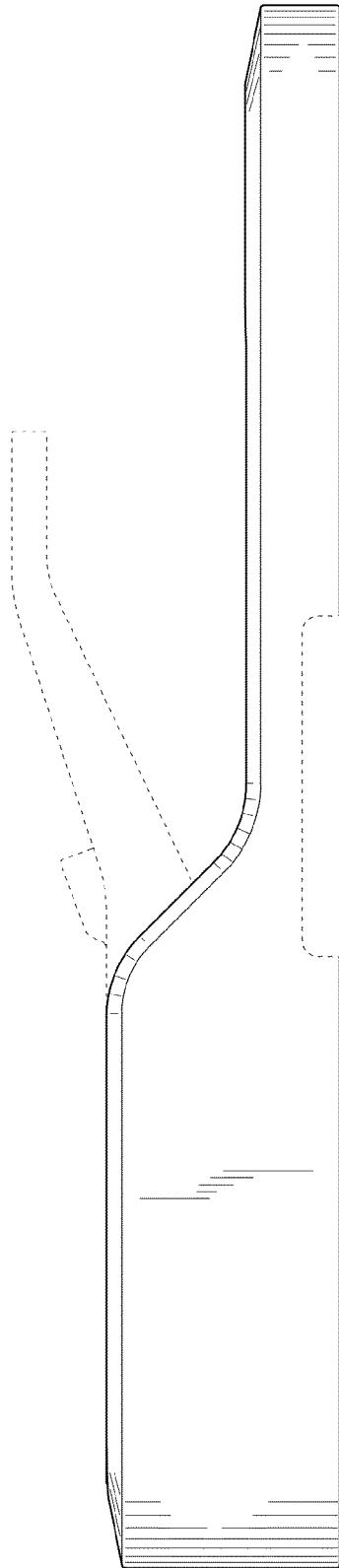


FIG. 2

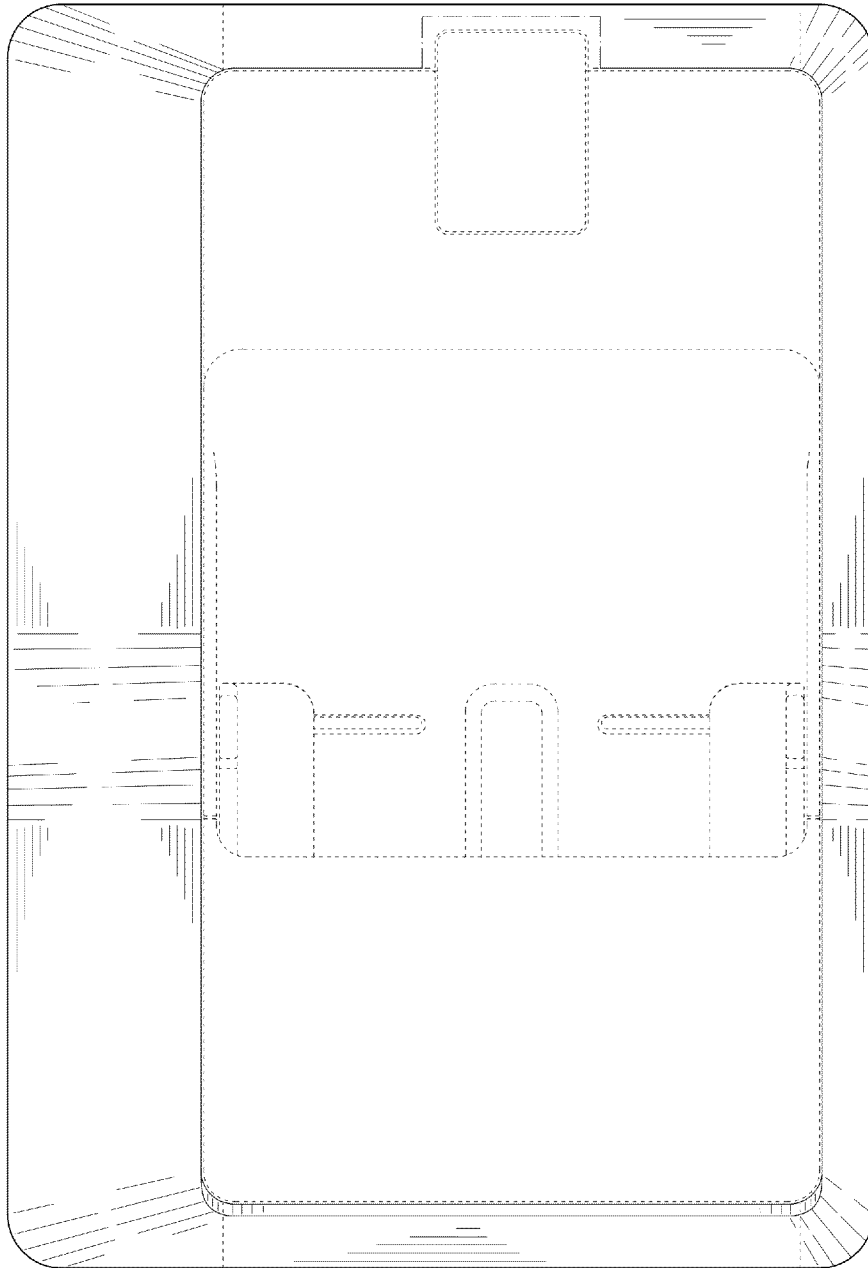


FIG. 3

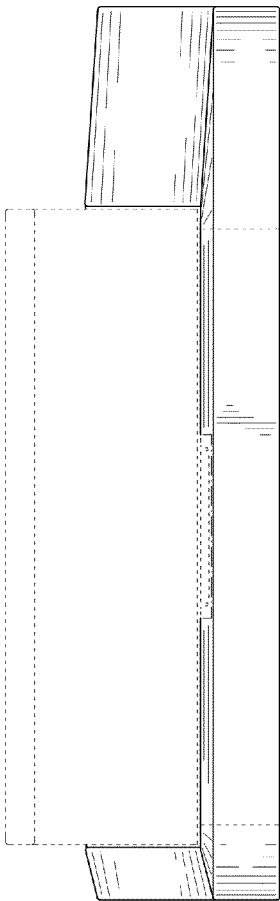


FIG. 4

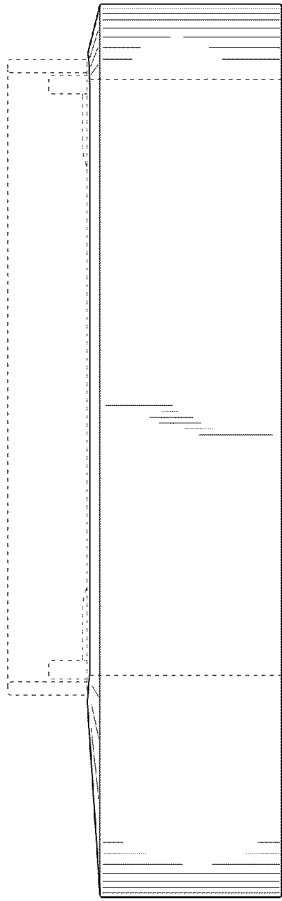


FIG. 5

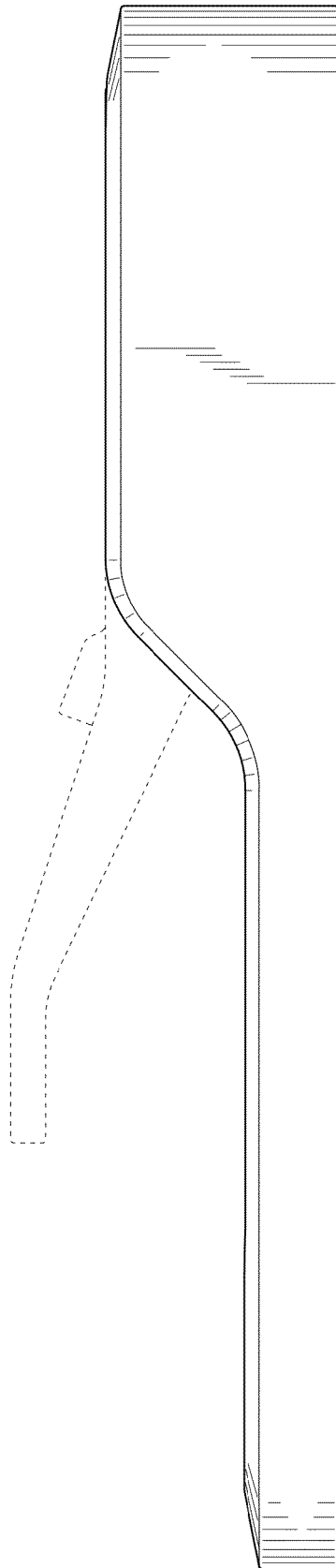


FIG. 6

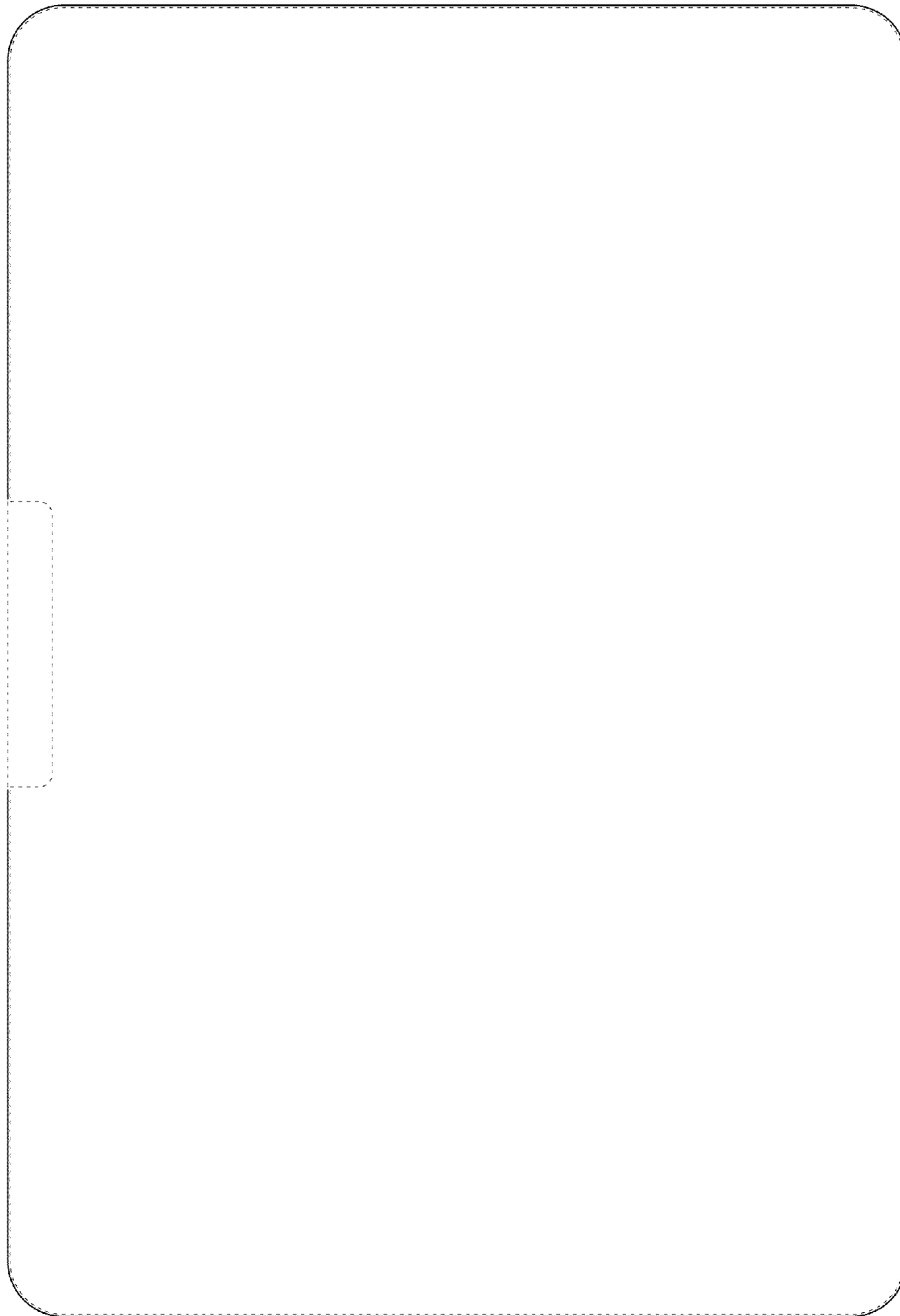


FIG. 7