



US00D709502S

(12) **United States Design Patent**  
**Shen**

(10) **Patent No.:** **US D709,502 S**

(45) **Date of Patent:** **\*\* Jul. 22, 2014**

(54) **MINI DOCUMENT CAMERA SCANNER**

(75) **Inventor:** **Ji Shen**, San Diego, CA (US)

(73) **Assignee:** **Pathway Innovations and Technologies, Inc**, San Diego, CA (US)

(\*\*) **Term:** **14 Years**

(21) **Appl. No.:** **29/371,907**

(22) **Filed:** **Jan. 12, 2012**

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

(52) **U.S. Cl.**  
USPC ..... **D14/423**; D16/229; D16/232

(58) **Field of Classification Search**  
USPC ..... D14/420–425; D16/232, 229, 235, 221;  
D18/36; 353/115, 119, 122, DIG. 3,  
353/DIG. 4; 396/155, 133, 86;  
358/474–498; 348/370, 373, 376, 374,  
348/375; 248/187.1, 593, 276.1, 281.11;  
D26/63, 65, 64, 62, 135

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D151,855 S *	11/1948	Nitardy	.....	D26/65
D215,480 S *	10/1969	Froelich	.....	D26/65
4,234,150 A *	11/1980	Mee et al.	.....	248/281.11
D275,431 S *	9/1984	Usah	.....	D14/452
D278,461 S *	4/1985	Pepall	.....	D24/210
4,595,970 A *	6/1986	Diffrient	.....	362/287
D290,884 S *	7/1987	Sano et al.	.....	D26/65
4,695,024 A *	9/1987	Haven	.....	248/281.11
D292,264 S *	10/1987	Staufenberg et al.	.....	D8/380
D293,135 S *	12/1987	Medema et al.	.....	D26/61
D297,372 S *	8/1988	Poon	.....	D26/44
D302,501 S *	8/1989	Kuba et al.	.....	D6/491
D303,848 S *	10/1989	Bianchi	.....	D26/65
D305,904 S *	2/1990	Matsumoto	.....	D16/232
4,977,489 A *	12/1990	Fung	.....	362/184

D315,804 S *	3/1991	Von Klier	.....	D26/65
D316,455 S *	4/1991	Krol	.....	D26/44
5,037,053 A *	8/1991	Fox et al.	.....	248/280.11
D323,717 S *	2/1992	Fung	.....	D26/44
D326,092 S *	5/1992	Kikuchi et al.	.....	D14/138 G
D327,134 S *	6/1992	Ching	.....	D26/65
D327,334 S *	6/1992	Parker	.....	D26/65
D329,098 S *	9/1992	Lu	.....	D26/62
D337,843 S *	7/1993	Huang	.....	D26/65
D345,810 S *	4/1994	Yuen	.....	D26/44
D350,620 S *	9/1994	Yuen	.....	D26/65
D351,678 S *	10/1994	Chen	.....	D26/65
D366,337 S *	1/1996	Yuen	.....	D26/44
D374,100 S *	9/1996	Chen	.....	D26/60
D376,586 S *	12/1996	Shinano	.....	D14/423
D382,362 S *	8/1997	Huang	.....	D26/65
D386,273 S *	11/1997	Yan	.....	D26/63
D388,404 S *	12/1997	Kinnunen et al.	.....	D14/423
D391,243 S *	2/1998	Rosen	.....	D14/452
D394,668 S *	5/1998	Iino	.....	D16/202
D399,192 S *	10/1998	Hasegawa	.....	D14/423
D401,954 S *	12/1998	Oh et al.	.....	D16/232
D402,385 S *	12/1998	Chen	.....	D26/65
D405,205 S *	2/1999	Huang	.....	D26/63
5,871,274 A *	2/1999	Lee et al.	.....	362/413

(Continued)

*Primary Examiner* — Susan Moon Lee

(74) *Attorney, Agent, or Firm* — RatnerPrestia

(57) **CLAIM**

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

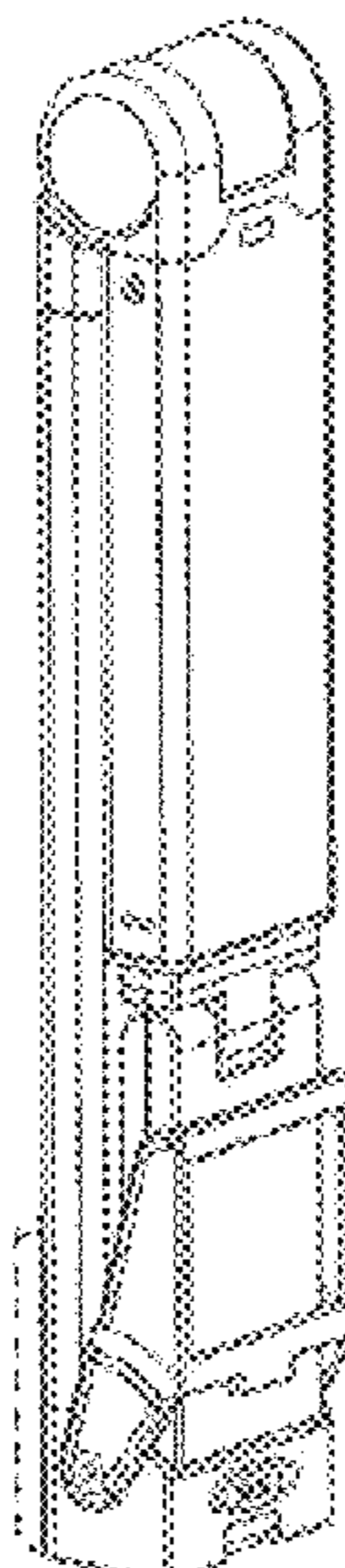
**DESCRIPTION**

The FIGURE is a front, right side perspective view of a mini document camera scanner, the opposite left side perspective view being a mirror image thereof.

The appearance of the undisclosed bottom and rear of the mini document camera scanner is not claimed.

Broken lines and portions contained within broken line are not claimed.

**1 Claim, 1 Drawing Sheet**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

- D408,567 S \* 4/1999 Coe ..... D26/60  
5,978,028 A \* 11/1999 Yamane ..... 348/373  
D419,710 S \* 1/2000 Huang ..... D26/63  
6,022,119 A \* 2/2000 Booty, Jr. .... 362/98  
D428,179 S \* 7/2000 Huang ..... D26/65  
D435,677 S \* 12/2000 Hollinger ..... D26/60  
D435,852 S \* 1/2001 Oddsen, Jr. .... D14/452  
6,168,292 B1 \* 1/2001 Sherman ..... 362/287  
D441,476 S \* 5/2001 Mendelsohn et al. .... D26/63  
D455,949 S \* 4/2002 Huang ..... D8/373  
D459,514 S \* 6/2002 Mier-Langner et al. .... D26/63  
6,478,275 B1 \* 11/2002 Huang ..... 248/284.1  
6,496,244 B2 \* 12/2002 Tseng et al. .... 355/21  
D469,201 S \* 1/2003 De Bevilacqua ..... D26/65  
D470,874 S \* 2/2003 Chiu ..... D16/202  
D473,207 S \* 4/2003 Tanio ..... D14/168  
D478,923 S \* 8/2003 Han ..... D16/202  
6,609,691 B2 \* 8/2003 Oddsen, Jr. .... 248/278.1  
D486,829 S \* 2/2004 Wang et al. .... D14/480.5  
6,736,531 B2 \* 5/2004 Wallach ..... 362/414  
D490,926 S \* 6/2004 Katsura et al. .... D26/63  
D495,082 S \* 8/2004 Marchand ..... D26/65  
D498,551 S \* 11/2004 Chan ..... D26/37  
D507,673 S \* 7/2005 Martin ..... D26/60  
D509,819 S \* 9/2005 Yang ..... D14/203.4  
6,947,093 B2 \* 9/2005 Yanakawa et al. .... 348/373  
D510,451 S \* 10/2005 Marchand ..... D26/65  
6,955,442 B1 \* 10/2005 Chan ..... 362/99  
D511,770 S \* 11/2005 Chung ..... D14/480.5  
6,984,054 B2 \* 1/2006 Lai ..... 362/199  
D520,511 S \* 5/2006 Piazza et al. .... D14/452  
D522,158 S \* 5/2006 Lovegrove ..... D26/61  
D523,164 S \* 6/2006 Ng ..... D26/65  
D523,984 S \* 6/2006 Cai ..... D26/61  
7,066,753 B1 \* 6/2006 Tseng ..... 439/259  
D526,331 S \* 8/2006 Lee ..... D14/203.7  
D526,433 S \* 8/2006 Li ..... D26/60  
D534,938 S \* 1/2007 Beasley et al. .... D16/208  
D542,455 S \* 5/2007 Newcomb ..... D26/60  
D542,457 S \* 5/2007 Fisherman et al. .... D26/66  
D543,304 S \* 5/2007 Chan ..... D26/60  
D543,553 S \* 5/2007 Langberg et al. .... D14/496  
D545,343 S \* 6/2007 Braun ..... D16/242  
7,245,441 B2 \* 7/2007 Wu et al. .... 359/676  
D555,272 S \* 11/2007 Iai et al. .... D26/62  
D556,195 S \* 11/2007 Lin ..... D14/480.3  
D558,787 S \* 1/2008 Yu et al. .... D14/496  
D563,014 S \* 2/2008 Levine ..... D26/63  
D563,583 S \* 3/2008 Iai et al. .... D26/65  
D564,559 S \* 3/2008 Stephens et al. .... D16/208  
D567,431 S \* 4/2008 Garner et al. .... D26/107  
D568,520 S \* 5/2008 Castellucci et al. .... D26/65  
D571,032 S \* 6/2008 Chen ..... D26/61  
7,396,140 B2 \* 7/2008 Cai ..... 362/167  
D580,578 S \* 11/2008 Chien ..... D26/63  
D581,077 S \* 11/2008 Levine ..... D26/62  
D581,570 S \* 11/2008 Levine ..... D26/62  
D582,418 S \* 12/2008 Kim et al. .... D14/435.1  
D590,532 S \* 4/2009 Levine ..... D26/60  
D590,977 S \* 4/2009 Mullen ..... D26/62  
D591,751 S \* 5/2009 Ku ..... D14/435  
D596,776 S \* 7/2009 Hodgson ..... D26/63  
D601,288 S \* 9/2009 Thomson et al. .... D26/63  
7,591,572 B1 \* 9/2009 Levine ..... 362/427  
D602,063 S \* 10/2009 Su ..... D16/232  
D602,970 S \* 10/2009 Lee ..... D16/232  
D603,409 S \* 11/2009 Ishida ..... D14/435  
D603,995 S \* 11/2009 Wei et al. .... D26/65  
D604,261 S \* 11/2009 Tsai et al. .... D14/138 G  
D604,883 S \* 11/2009 Park ..... D26/65  
D606,692 S \* 12/2009 Waldmann ..... D26/65  
D606,693 S \* 12/2009 Waldmann ..... D26/65  
D607,482 S \* 1/2010 Inoue et al. .... D16/232  
D608,047 S \* 1/2010 Scheper et al. .... D26/138  
7,648,261 B2 \* 1/2010 Ko et al. .... 362/396  
D615,681 S \* 5/2010 Thomson et al. .... D26/63  
D616,590 S \* 5/2010 Huang et al. .... D26/63  
D617,932 S \* 6/2010 Chan ..... D26/63  
7,731,386 B2 \* 6/2010 Levine ..... 362/197  
D620,514 S \* 7/2010 Kim et al. .... D16/208  
D627,501 S \* 11/2010 Lin et al. .... D26/65  
D627,815 S \* 11/2010 Oba ..... D16/202  
D628,331 S \* 11/2010 Tang et al. .... D26/63  
D636,919 S \* 4/2011 Wang et al. .... D26/63  
D637,331 S \* 5/2011 Lee ..... D26/63  
D637,332 S \* 5/2011 Lee ..... D26/63  
D639,789 S \* 6/2011 Kim et al. .... D14/242  
D641,515 S \* 7/2011 Chung ..... D26/63  
D641,906 S \* 7/2011 Lee et al. .... D26/63  
D641,907 S \* 7/2011 Lee ..... D26/65  
D642,315 S \* 7/2011 Yu Chung Han ..... D26/65  
D645,179 S \* 9/2011 Gulker ..... D26/37  
D647,906 S \* 11/2011 Shen ..... D14/423  
D649,672 S \* 11/2011 Wang et al. .... D26/65  
D651,734 S \* 1/2012 Li ..... D26/63  
D654,199 S \* 2/2012 Xie ..... D26/63  
D662,121 S \* 6/2012 Rodriguez et al. .... D16/208  
D662,641 S \* 6/2012 Levine ..... D26/65  
D665,938 S \* 8/2012 Kim et al. .... D26/63  
D667,042 S \* 9/2012 Shen ..... D16/232  
D667,154 S \* 9/2012 Tang et al. .... D26/65  
D667,980 S \* 9/2012 Kim et al. .... D26/63  
D674,389 S \* 1/2013 Shen ..... D14/423  
D675,196 S \* 1/2013 Maddern ..... D14/240  
8,353,609 B2 \* 1/2013 Chou et al. .... 362/450  
D677,707 S \* 3/2013 Shen ..... D16/232  
D680,143 S \* 4/2013 Henssler et al. .... D16/200  
2002/0106137 A1 \* 8/2002 Chen et al. .... 382/321  
2003/0080269 A1 \* 5/2003 Oddsen, Jr. .... 248/274.1  
2006/0050519 A1 \* 3/2006 Lin ..... 362/413  
2006/0072328 A1 \* 4/2006 Chan ..... 362/382  
2007/0097689 A1 \* 5/2007 Barausky et al. .... 362/287  
2009/0040774 A1 \* 2/2009 Avila et al. .... 362/371

\* cited by examiner

