



US00D830362S

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

(10) **Patent No.:** **US D830,362 S**  
(45) **Date of Patent:** **\*\* Oct. 9, 2018**

(54) **BARCODE READING MODULE**

382/217; 715/209, 222, 226, 274;  
400/613, 613.1-613.4, 690.1-690.4,  
400/691-694; 359/566, 599, 641, 811,  
(Continued)

(71) Applicant: **Datalogic IP Tech S.r.l.**, Lippo di  
Calderara di Reno (IT)

(72) Inventors: **Davide Bottazzi**, Bologna (IT);  
**Federico Canini**, Zola Predosa (IT);  
**Anna Guagliumi**, Calderara di Reno  
(IT); **Kurt Vonmetz**, Bologna (IT)

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,233,382 A 8/1993 Taniguchi et al.  
5,539,192 A 7/1996 Scofield et al.  
(Continued)

(73) Assignee: **DATALOGIC IP TECH S.R.L.**, Lippo  
di Calderara di Reno (IT)

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

OTHER PUBLICATIONS

“Symbol SE4500 Integration Guide”© 2008 by Motorola, Inc.  
(72E-112996-01, Revision A, Dec. 2008).

(21) Appl. No.: **29/624,932**

*Primary Examiner* — Susan Moon Lee  
(74) *Attorney, Agent, or Firm* — Duane Morris LLP

(22) Filed: **Nov. 6, 2017**

(57) **CLAIM**

We claim the ornamental design for a barcode reading  
module, as shown and described.

**Related U.S. Application Data**

(62) Division of application No. 29/544,682, filed on Nov.  
5, 2015, now Pat. No. Des. 805,078.

**DESCRIPTION**

(30) **Foreign Application Priority Data**

May 7, 2015 (EM) ..... 002696088

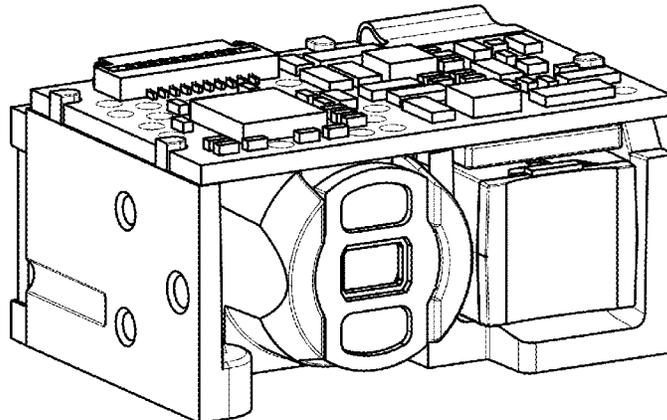
(51) **LOC (11) Cl.** ..... **14-02**

(52) **U.S. Cl.**  
USPC ..... **D14/420; D14/453**

(58) **Field of Classification Search**  
USPC ..... D14/421-425, 420; D18/55, 49, 46, 40,  
D18/36-39, 41, 44, 45, 47, 48, 50-54,  
D18/56; 235/462, 455, 470, 462.43, 482,  
235/483, 462.21, 472.01, 435, 439, 440,  
235/446, 454, 461, 462.32, 462.35,  
235/462.41, 462.42, 463, 462.22, 462.23,  
235/462.15, 462.2, 462.25; 358/474, 486,  
358/488, 496, 497, 498, 452, 449, 451,  
358/453, 1.13; 318/685, 696; 355/81,  
355/75; 399/405, 367, 379, 380;

FIG. 1 is a front left isometric view of a barcode reading  
module according to the present invention.  
FIG. 2 is a front right isometric view of the barcode reading  
module of FIG. 1.  
FIG. 3 is a front view of the barcode reading module of FIG.  
1.  
FIG. 4 is a rear view of the barcode reading module of FIG.  
1.  
FIG. 5 is a top view of the barcode reading module of FIG.  
1.  
FIG. 6 is a bottom view of the barcode reading module of  
FIG. 1.  
FIG. 7 is a left side view of the barcode reading module of  
FIG. 1; and,  
FIG. 8 is a right side view of the barcode reading module of  
FIG. 1.

**1 Claim, 8 Drawing Sheets**



**US D830,362 S**

<p>(58) <b>Field of Classification Search</b>                  USPC ..... 359/213.1, 819; 348/345, 208.7, 219.1,                  348/373, 374, 375                  CPC .. D07G 1/0036; D07G 1/0045; D07G 1/0063;                  D07G 1/0072; D07G 1/009; G08B                  13/1427; G08B 13/1472; G08B 13/1481;                  G08B 13/194; G08B 13/246; G08B                  13/2462; G08B 13/2465; A47F 9/04;                  A47F 9/046; A47F 9/047; A47F 9/048;                  A47F 10/02; A47F 2010/005; A47F                  2010/025; G06K 7/10693; G06K                  7/10712; G06K 7/10722; G06K 7/10792;                  G06K 7/10801; G06K 7/10811; G06K                  7/10831; G06K 7/10851; G06K 7/10861;                  G06K 7/1096; G06K 7/1097; G06K                  7/1098; G06K 7/12; G06K 7/14; G06K                  7/1408; G06K 7/1413; G06K 7/1417;                  G06K 7/1421; G06K 7/1426; G06K                  7/143; G06K 7/1434; G06K 7/1439;                  G06K 7/1443; G06K 7/1447; G06K                  7/1452; G06K 7/1456; G06K 7/146;                  G06K 7/1465; G06K 7/1469; G06K                  7/1473; G06K 7/1478; G06K 7/1482;                  G06K 7/1486; G06K 2007/10485; G06K                  7/10544-7/10762; G06K                  7/10821-7/10871; G06K 7/1404-7/1495;                  G06K 2207/00; G06K                  2207/1011-2207/1018; G06K 7/10881;                  G06K 7/10633; G06K 7/10702; G01G                  19/4144; G01G 21/22; G01G 21/28;                  G01G 23/32; G01G 23/34; G01G 23/35;                  G01G 23/375; G01G 23/38; G01G 23/44;                  G07G 1/0063; G07G 1/0072; G07G                  3/006; G02B 5/09; G02B 7/021; G02B                  7/003; G02B 7/00; G02B 7/026; G02B                  7/02; G02B 7/30; G02B 7/1821; G02B                  13/005; G02B 13/006; G02B 13/0075;                  G02B 13/008; G02B 26/105; G02B                  6/4204; G02B 6/4226; H04N 5/2251;                  H04N 5/2252-5/2258; H04N 2005/2255;                  H04N 2005/2256; G06T 2211/00; G03B                  13/20</p>	<p>7,131,590 B2 11/2006 Oliva et al.                  7,182,262 B2 2/2007 Wood et al.                  7,197,240 B2 3/2007 Uemura et al.                  7,273,178 B2 9/2007 Shimura                  7,296,751 B2 11/2007 Barber et al.                  7,389,926 B2* 6/2008 Aoki ..... G06K 7/10722                  235/400                  7,556,203 B2 7/2009 Robinson et al.                  7,679,673 B2 3/2010 Takekuma et al.                  7,686,216 B2 3/2010 Walczyk et al.                  7,699,227 B2 4/2010 Wang et al.                  7,845,801 B2 12/2010 Slutsky                  7,916,205 B2 3/2011 Takahashi et al.                  7,934,660 B2 5/2011 Yeakley et al.                  8,038,054 B2 10/2011 Douma                  D682,226 S 5/2013 Omori et al.                  8,441,513 B2 5/2013 Sakai                  D687,398 S 8/2013 Omori et al.                  8,717,494 B2* 5/2014 Gannon ..... G06K 7/10722                  348/373                  8,760,563 B2* 6/2014 Koziol ..... G06K 7/10722                  348/335                  8,783,573 B2 7/2014 Havens et al.                  8,910,872 B2 12/2014 Barkan et al.                  D721,132 S 1/2015 Kobayashi                  9,076,054 B2* 7/2015 Hennick ..... G06K 7/10693                  D737,822 S 9/2015 Mistkawi et al.                  9,167,972 B2* 10/2015 Saint Clair ..... A61B 5/015                  9,513,458 B1 12/2016 Flugge et al.                  D779,491 S 2/2017 Mistkawi et al.                  9,665,757 B2 5/2017 Feng et al.                  9,672,398 B2 6/2017 Gillet et al.                  9,697,401 B2 7/2017 Feng et al.                  D805,078 S* 12/2017 Bottazzi ..... D14/420                  2002/0001118 A1 1/2002 Nakajima et al.                  2002/0066851 A1 6/2002 Hennick et al.                  2002/0125322 A1 9/2002 McCall et al.                  2003/0019934 A1 1/2003 Hunter et al.                  2003/0029917 A1 2/2003 Hennick et al.                  2003/0062413 A1 4/2003 Gardiner et al.                  2003/0080187 A1 5/2003 Piva et al.                  2003/0080189 A1 5/2003 Patel et al.                  2003/0089776 A1 5/2003 Hennick et al.                  2003/0107667 A1 6/2003 Abe et al.                  2003/0151886 A1 8/2003 Buhl                  2003/0222147 A1 12/2003 Havens et al.                  2004/0031851 A1 2/2004 Bianculli et al.                  2004/0046030 A1 3/2004 Okada et al.                  2004/0069855 A1 4/2004 Patel et al.                  2004/0159703 A1* 8/2004 Kogan ..... G02B 7/04                  235/454</p>
---	--

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

<p>5,629,510 A 5/1997 Quinn et al.                  5,714,750 A 2/1998 Eastman et al.                  5,717,969 A 2/1998 Miyamoto et al.                  6,000,612 A* 12/1999 Xu ..... G06K 7/10722                  235/454                  6,025,963 A 2/2000 Hippenmeyer et al.                  6,123,263 A 9/2000 Feng                  6,273,336 B1* 8/2001 Rudeen ..... G06K 7/10594                  235/462.24                  6,318,635 B1 11/2001 Stoner                  6,340,114 B1* 1/2002 Correa ..... G06K 7/10722                  235/462.01                  6,427,916 B1 8/2002 Ishii et al.                  6,498,624 B1 12/2002 Ogura et al.                  6,637,657 B2 10/2003 Barkan et al.                  6,669,093 B1* 12/2003 Meyerson ..... G06K 7/12                  235/462.45                  6,695,209 B1* 2/2004 La ..... G06K 7/10851                  235/462.2                  6,969,005 B2 11/2005 Otsubo                  6,976,629 B2 12/2005 Carlson</p>	<p>2004/0195328 A1 10/2004 Barber et al.                  2005/0040238 A1 2/2005 Byun et al.                  2005/0185239 A1 8/2005 Orcutt                  2006/0158695 A1 7/2006 Lee                  2006/0216014 A1 9/2006 Morinaga et al.                  2007/0045424 A1 3/2007 Wang                  2007/0108284 A1 5/2007 Pankow et al.                  2007/0228306 A1 10/2007 Gannon et al.                  2007/0253048 A1 11/2007 Sakai et al.                  2007/0278311 A1 12/2007 Partyka                  2008/0041954 A1 2/2008 Gannon et al.                  2008/0179552 A1 7/2008 Barkan et al.                  2008/0223934 A1* 9/2008 Havens ..... G06K 7/10712                  235/462.42                  2009/0026267 A1 1/2009 Wang et al.                  2009/0067068 A1 3/2009 Yu et al.                  2009/0127343 A1 5/2009 Chiang                  2009/0207300 A1 8/2009 Fujita                  2009/0277963 A1 11/2009 Van Kerckhoven et al.                  2009/0321614 A1* 12/2009 Drzymala ..... G06K 7/10732                  250/208.1                  2010/0065641 A1 3/2010 Liu et al.                  2010/0111361 A1 5/2010 Tan et al.                  2010/0176319 A1 7/2010 Nunnick et al.                  2010/0188565 A1 7/2010 Tanaami                  2010/0214466 A1 8/2010 Oliva et al.                  2010/0217723 A1 8/2010 Sauerwein et al.                  2011/0068174 A1 3/2011 Miyoshi et al.</p>
--	---

(56)

**References Cited**

## U.S. PATENT DOCUMENTS

2011/0121077	A1	5/2011	Joseph et al.	
2011/0134304	A1	6/2011	Vigier-Blanc et al.	
2011/0139876	A1	6/2011	Chen et al.	
2012/0049049	A1	3/2012	Vinogradov et al.	
2013/0200158	A1	8/2013	Feng et al.	
2013/0271746	A1	10/2013	Kimura	
2013/0306731	A1	11/2013	Pedrao	
2013/0327834	A1	12/2013	Hennick et al.	
2014/0110485	A1	4/2014	Toa et al.	
2015/0028105	A1	1/2015	Chen et al.	
2015/0254485	A1*	9/2015	Feng .....	H04M 1/0202 455/556.1
2015/0332076	A1*	11/2015	Feng .....	G06K 7/10881 235/454
2015/0334864	A1*	11/2015	Feng .....	G06K 7/10821 235/462.21
2016/0178897	A1*	6/2016	Ciabattoni .....	G02B 7/025 235/462.08
2016/0253536	A1	9/2016	Kubo et al.	
2016/0352945	A1	12/2016	Lee et al.	

\* cited by examiner

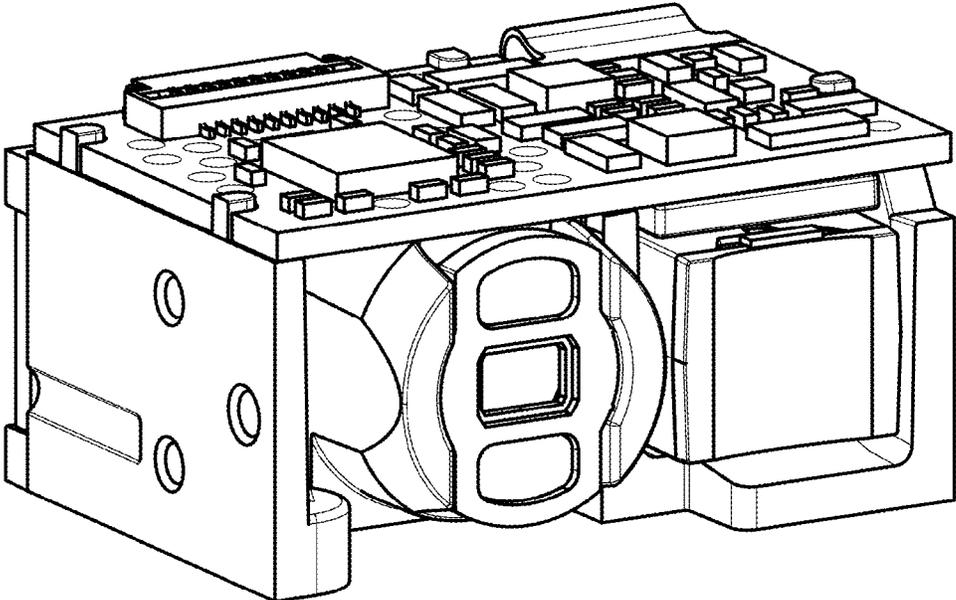


FIG. 1

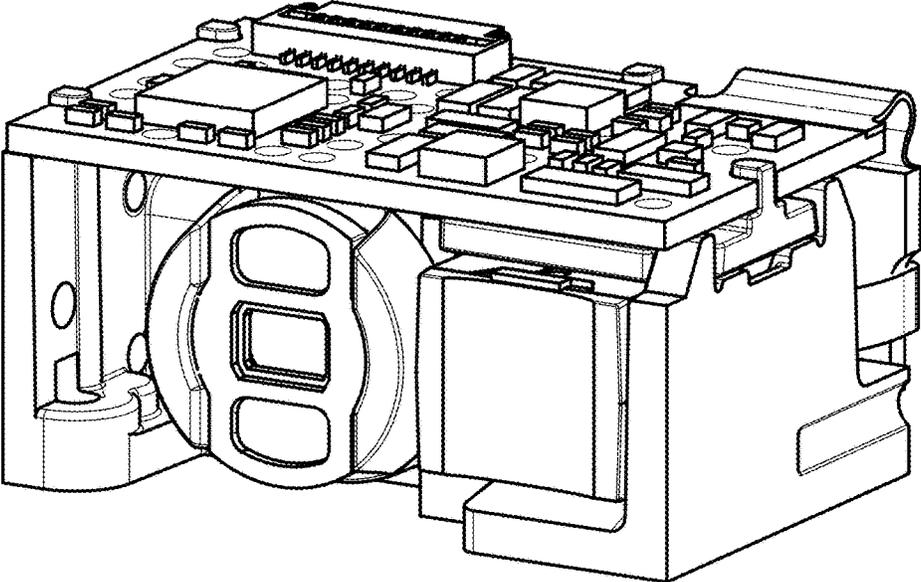


FIG. 2

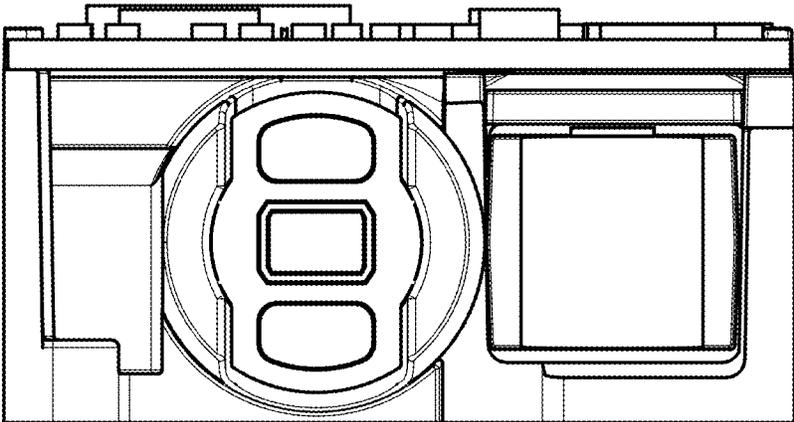


FIG. 3

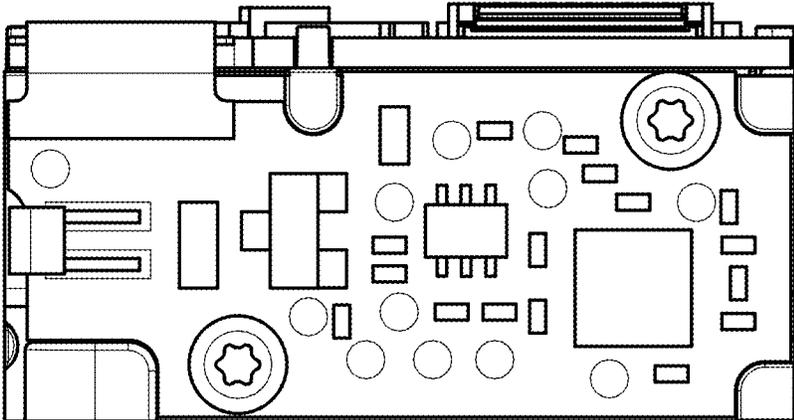


FIG. 4

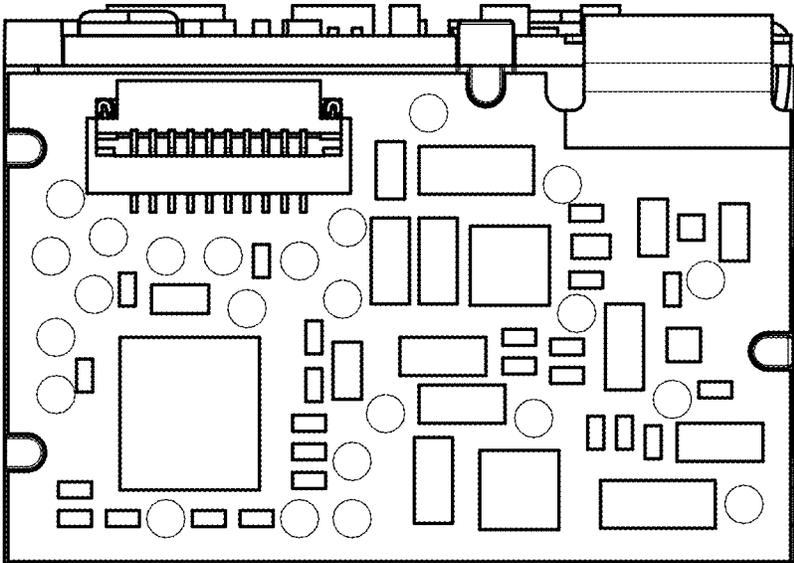


FIG. 5

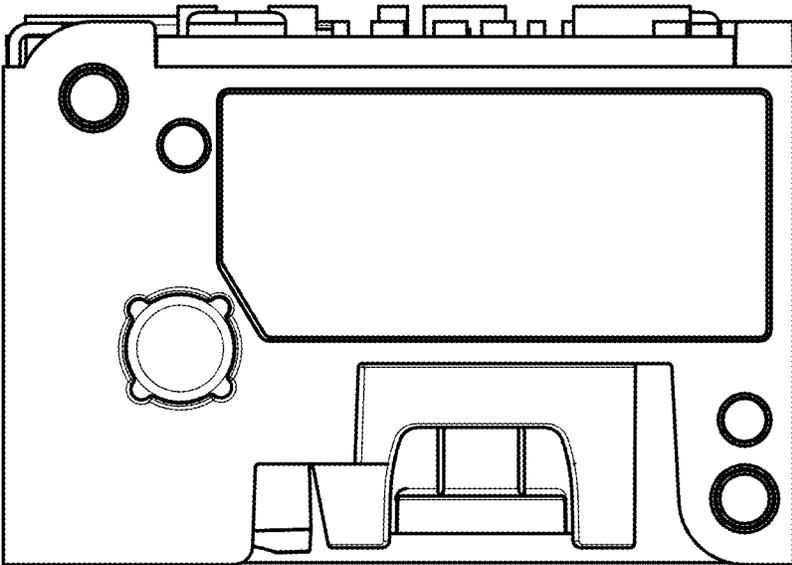


FIG. 6

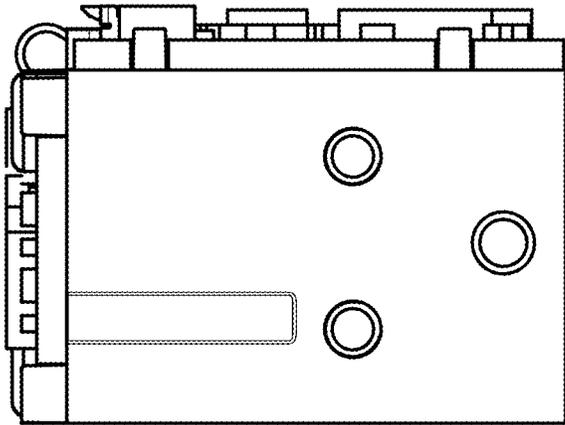


FIG. 7

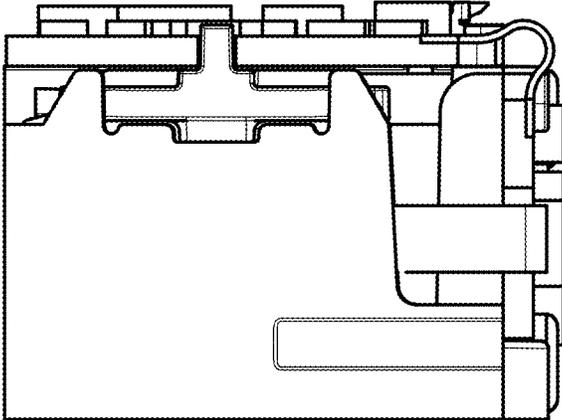


FIG. 8