PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7392124

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
INTELLECTUAL DISCOVERY CO., LTD.	04/29/2022

RECEIVING PARTY DATA

Name:	TS-OPTICS CORPORATION
Street Address:	B126, 13, SEOUN-RO, SEOCHO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	06732

PROPERTY NUMBERS Total: 156

Property Type	Number
Patent Number:	9245574
Patent Number:	9235351
Patent Number:	9129615
Patent Number:	9027040
Patent Number:	8930973
Patent Number:	8879374
Patent Number:	8683499
Patent Number:	8619520
Patent Number:	8589959
Patent Number:	8589958
Patent Number:	8479224
Patent Number:	8464283
Patent Number:	8453168
Patent Number:	8295148
Patent Number:	8018800
Patent Number:	7831983
Patent Number:	7464389
Patent Number:	7441256
Patent Number:	7440373
Patent Number:	7440367

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Property Type	Number
Patent Number:	7430750
Patent Number:	7420906
Patent Number:	7420895
Patent Number:	7417940
Patent Number:	7417936
Patent Number:	7417934
Patent Number:	7411886
Patent Number:	7411876
Patent Number:	7411871
Patent Number:	7406010
Patent Number:	7404197
Patent Number:	7403458
Patent Number:	7403349
Patent Number:	7398536
Patent Number:	7397745
Patent Number:	7391683
Patent Number:	7391680
Patent Number:	7385898
Patent Number:	7380252
Patent Number:	7380160
Patent Number:	7372796
Patent Number:	7369625
Patent Number:	7369335
Patent Number:	7367037
Patent Number:	7362689
Patent Number:	7355953
Patent Number:	7352663
Patent Number:	7352662
Patent Number:	7343103
Patent Number:	7342861
Patent Number:	7337451
Patent Number:	7336574
Patent Number:	7334121
Patent Number:	7334053
Patent Number:	7317669
Patent Number:	7316023
Patent Number:	7315500
Patent Number:	7313076

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Property Type	Number
Patent Number:	7307939
Patent Number:	7305688
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Patent Number:	7289412
Patent Number:	7286452
Patent Number:	7284253
Patent Number:	7283440
Patent Number:	7280458
Patent Number:	7277370
Patent Number:	7274640
Patent Number:	7272103
Patent Number:	7269115
Patent Number:	7269114
Patent Number:	7266055
Patent Number:	7210154
Patent Number:	6999402
Patent Number:	6906986
Patent Number:	6859933
Patent Number:	6804184
Patent Number:	6795258
Patent Number:	6791923
Patent Number:	6785211
Patent Number:	6782543
Patent Number:	6731586
Patent Number:	6728177
Patent Number:	6721110
Patent Number:	6714501
Patent Number:	6686697
Patent Number:	6683830
Patent Number:	6661759
Patent Number:	6661752
Patent Number:	6654326
Patent Number:	6647435
Patent Number:	6636469
Patent Number:	6636464
Patent Number:	6636463

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Property Type	Number
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Patent Number:	6507548
Patent Number:	6480453
Patent Number:	6469975
Patent Number:	6449234
Patent Number:	6345370
Patent Number:	6341117
Patent Number:	6339575
Patent Number:	6324140
Patent Number:	6295266
Patent Number:	6295261
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Patent Number:	6289483
Patent Number:	6243335
Patent Number:	6169711
Patent Number:	6154430
Patent Number:	6154428
Patent Number:	6137751
Patent Number:	6098026
Patent Number:	6097686
Patent Number:	6097679
Patent Number:	6091553
Patent Number:	6084840
Patent Number:	6043950
Patent Number:	6034941
Patent Number:	6032276
Patent Number:	6032206
Patent Number:	6016296
Patent Number:	5978342
Patent Number:	5978341
Patent Number:	5936917
Patent Number:	5926447
Patent Number:	5905701
Patent Number:	5903540

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Property Type	Number
Patent Number:	5822290
Patent Number:	5815479
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Patent Number:	5808982
Patent Number:	5805554
Patent Number:	5802023
Patent Number:	5796754
Patent Number:	5768249
Patent Number:	5764616
Patent Number:	5764602
Patent Number:	5761168
Patent Number:	5745452
Patent Number:	5740151
Patent Number:	5734635
Patent Number:	5726959
Patent Number:	5726958
Patent Number:	5717666
Patent Number:	5691971
Patent Number:	5644561
Patent Number:	RE43106
Patent Number:	RE41687
Patent Number:	RE38886

CORRESPONDENCE DATA

Fax Number: (202)315-3758

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ATTORNEY DOCKET NUMBER:	M00055.0012-C
NAME OF SUBMITTER:	RANDALL S. SVIHLA
SIGNATURE:	/RANDALL S. SVIHLA/
DATE SIGNED:	06/21/2022

Total Attachments: 6
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EXHIBIT B

PATENT ASSIGNMENT AGREEMENT

WHEREAS, **Intellectual Discovery Co. Ltd**, having a place of business at 7th Fl., 419, Teheran-ro, Gangnam-gu, Seoul, 06160, Republic of Korea (hereinafter "SELLER") is the sole and exclusive owner of certain United States and/or foreign patents and/or patent applications listed in Schedule A annexed hereto (collectively referred to as the "Patents"); and

WHEREAS **TS-optics corporation**, having a place of business at B126, 13, Seoun-ro, Seocho-gu, Seoul, 06732, Republic of Korea (hereinafter "PURCHASER") is desirous of acquiring the right, title and interest in, to and under the said Patents (and all foreign counterparts and related foreign patents).

THIS PATENT ASSIGNMENT AGREEMENT effective as of April 29, 2022 is by and between SELLER and PURCHASER.

Now, Therefore,

For good and valuable consideration, the receipt of which is hereby acknowledged, SELLER does hereby sell, assign, transfer and set over to PURCHASER, the Patents aforesaid, and any inventions claimed in said Patent, any reissue or reissues of said Patents already granted and which may be granted, any certificates of reexamination already granted and which may be granted the same to be held and enjoyed by PURCHASER for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by SELLER, if this assignment and sale had not been made; together with all claims for damages by reason of past, current, and future infringement and/or provisional rights under said Patents, with the right to sue for, and collect the same for its own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives.

And, SELLER, hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States on said inventions to PURCHASER as assignee of the entire interest.

In Witness Whereof, SELLER has executed this Assignment by its duly authorized representative.

SELLER

By: _____

Name: Sheik Chang

Title: CEO

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Schedule A

List of Patents

No.	Country	Application No.	Filed	Patent No.	Issued
1	US	13/329539	2011-12-19	9245574	2016-01-26
2	US	12/822969	2010-06-24	9235351	2016-01-12
3	US	14/187721	2014-02-24	9129615	2015-09-08
4	US	14/093719	2013-12-02	9027040	2015-05-05
5	US	13/295769	2011-11-14	8930973	2015-01-06
6	US	13/916678	2013-06-13	8879374	2014-11-04
7	US	13/469970	2012-05-11	8683499	2014-03-25
8	US	13/564780	2012-08-02	8619520	2013-12-31
9	US	13/441093	2012-04-06	8589959	2013-11-19
10	US	13/441073	2012-04-06	8589958	2013-11-19
11	US	13/288061	2011-11-03	8479224	2013-07-02
12	US	13/287710	2011-11-02	8464283	2013-06-11
13	US	13/295964	2011-11-14	8453168	2013-05-28
14	US	10/847469	2004-05-18	8295148	2012-10-23
15	US	11/012732	2004-12-16	8018800	2011-09-13
16	US	11/705447	2007-02-13	7831983	2010-11-09
17	US	11/638587	2006-12-14	7464389	2008-12-09
18	US	10/983725	2004-11-09	7441256	2008-10-21
19	US	10/771503	2004-02-05	7440373	2008-10-21
20	US	10/921302	2004-08-19	7440367	2008-10-21
21	US	10/895983	2004-07-22	7430750	2008-09-30
22	US	10/652491	2003-09-02	7420906	2008-09-02
23	US	10/746147	2003-12-29	7420895	2008-09-02
24	US	10/909302	2004-08-03	7417940	2008-08-26
25	US	10/704558	2003-11-12	7417936	2008-08-26
26	US	10/759227	2004-01-20	7417934	2008-08-26
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29	US	10/897072	2004-07-23	7411871	2008-08-12
30	US	10/892482	2004-07-16	7406010	2008-07-29
31	US	11/111961	2005-04-22	7404197	2008-07-22
32	US	10/766328	2004-01-29	7403458	2008-07-22

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33	US	10/900426	2004-07-28	7403349	2008-07-22
34	US	10/753346	2004-01-09	7398536	2008-07-08
35	US	10/615984	2003-07-10	7397745	2008-07-08
36	US	10/849905	2004-05-21	7391683	2008-06-24
37	US	11/030102	2005-01-07	7391680	2008-06-24
38	US	10/624561	2003-07-23	7385898	2008-06-10
39	US	10/897443	2004-07-23	7380252	2008-05-27
40	US	10/912226	2004-08-06	7380160	2008-05-27
41	US	10/687994	2003-10-20	7372796	2008-05-13
42	US	10/120191	2002-04-11	7369625	2008-05-06
43	US	11/245191	2005-10-07	7369335	2008-05-06
44	US	10/714631	2003-11-18	7367037	2008-04-29
45	US	10/926150	2004-08-26	7362689	2008-04-22
46	US	10/686785	2003-10-17	7355953	2008-04-08
47	US	10/987613	2004-11-12	7352663	2008-04-01
48	US	10/842829	2004-05-11	7352662	2008-04-01
49	US	11/413093	2006-04-28	7343103	2008-03-11
50	US	11/449588	2006-06-09	7342861	2008-03-11
51	US	10/612055	2003-07-03	7337451	2008-02-26
52	US	11/221926	2005-09-09	7336574	2008-02-26
53	US	10/720078	2003-11-25	7334121	2008-02-19
54	US	10/840101	2004-05-06	7334053	2008-02-19
55	US	10/894360	2004-07-20	7317669	2008-01-08
56	US	10/812557	2004-03-30	7316023	2008-01-01
57	US	11/333318	2006-01-18	7315500	2008-01-01
58	US	10/899071	2004-07-27	7313076	2007-12-25
59	US	11/100392	2005-04-07	7307939	2007-12-11
60	US	10/781656	2004-02-20	7305688	2007-12-04
61	US	10/859290	2004-06-03	7304936	2007-12-04
62	US	10/320672	2002-12-17	7298766	2007-11-20
63	US	10/937256	2004-09-10	7296281	2007-11-13
64	US	09/995828	2001-11-29	7289412	2007-10-30
65	US	10/771502	2004-02-05	7286452	2007-10-23
66	US	10/839341	2004-05-06	7284253	2007-10-16
67	US	10/073061	2002-02-12	7283440	2007-10-16
68	US	10/120786	2002-04-12	7280458	2007-10-09

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69	US	10/821876	2004-04-12	7277370	2007-10-02
70	US	10/229134	2002-08-28	7274640	2007-09-25
71	US	10/751647	2004-01-06	7272103	2007-09-18
72	US	10/927522	2004-08-27	7269115	2007-09-11
73	US	10/781846	2004-02-20	7269114	2007-09-11
74	US	10/849190	2004-05-20	7266055	2007-09-04
75	US	10/173979	2002-06-19	7210154	2007-04-24
76	US	10/876674	2004-06-28	6999402	2006-02-14
77	US	10/230373	2002-08-29	6906986	2005-06-14
78	US	09/982168	2001-10-19	6859933	2005-02-22
79	US	09/940659	2001-08-29	6804184	2004-10-12
80	US	10/164694	2002-06-10	6795258	2004-09-21
81	US	09/840152	2001-04-24	6791923	2004-09-14
82	US	09/917267	2001-07-30	6785211	2004-08-31
83	US	09/188363	1998-11-10	6782543	2004-08-24
84	US	09/816109	2001-03-26	6731586	2004-05-04
85	US	09/946814	2001-09-06	6728177	2004-04-27
86	US	10/173958	2002-06-19	6721110	2004-04-13
87	US	09/792038	2001-02-26	6714501	2004-03-30
88	US	10/281233	2002-10-28	6686697	2004-02-03
89	US	09/942049	2001-08-30	6683830	2004-01-27
90	US	09/597994	2000-06-19	6661759	2003-12-09
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92	US	09/562918	2000-05-02	6654326	2003-11-25
93	US	09/475238	1999-12-30	6647435	2003-11-11
94	US	10/059690	2002-03-27	6636469	2003-10-21
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97	US	09/315453	1999-05-20	6633524	2003-10-14
98	US	09/552621	2000-04-19	6587481	2003-07-01
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104	US	08/816679	1997-03-13	6469975	2002-10-22

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105	US	09/221119	1998-12-28	6449234	2002-09-10
106	US	09/115761	1998-07-15	6345370	2002-02-05
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141	US	08/717151	1996-09-20	5796754	1998-08-18
142	US	08/731004	1996-10-09	5768249	1998-06-16
143	US	08/723541	1996-09-30	5764616	1998-06-09
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153	US	08/628938	1996-04-08	5644561	1997-07-01
154	US	11/849609	2007-09-04	RE43106	2012-01-17
155	US	09/665183	2000-09-15	RE41687	2010-09-14
156	US	09/760896	2001-01-17	RE38886	2005-11-22