

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5051128

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEIKO EPSON CORPORATION	06/22/2018

RECEIVING PARTY DATA

Name:	138 EAST LCD ADVANCEMENTS LIMITED
Street Address:	BRACKEN ROAD, SANDYFORD
Internal Address:	FIRST FLOOR, BLACKTHORN EXCHANGE
City:	DUBLIN
State/Country:	IRELAND

PROPERTY NUMBERS Total: 61

Property Type	Number
Patent Number:	6313900
Patent Number:	6580423
Patent Number:	6762754
Patent Number:	6521913
Patent Number:	6770909
Patent Number:	6872975
Patent Number:	6765230
Patent Number:	6850292
Patent Number:	6414781
Patent Number:	6498672
Patent Number:	6683592
Patent Number:	7064735
Patent Number:	7088325
Patent Number:	6528822
Patent Number:	6627485
Patent Number:	6770908
Patent Number:	6912020
Patent Number:	6930662
Patent Number:	6778157
Patent Number:	6864866

PATENT

Property Type	Number
Patent Number:	7172294
Patent Number:	7598969
Patent Number:	6943765
Patent Number:	7202927
Patent Number:	7061567
Patent Number:	7233372
Patent Number:	7362397
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Patent Number:	7253795
Patent Number:	7079198
Patent Number:	7053410
Patent Number:	7372443
Patent Number:	7961168
Patent Number:	7192812
Patent Number:	7075109
Patent Number:	6950308
Patent Number:	7023504
Patent Number:	7018054
Patent Number:	7218373
Patent Number:	7098972
Patent Number:	7301518
Patent Number:	7315297
Patent Number:	7121669
Patent Number:	7215388
Patent Number:	7502007

Property Type	Number
Patent Number:	6654083
Patent Number:	6373616
Patent Number:	6603590

CORRESPONDENCE DATA

Fax Number:

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Address Line 2: FIRST FLOOR, BLACKTHORN EXCHANGE
Address Line 4: DUBLIN, IRELAND D18 P3Y9

ATTORNEY DOCKET NUMBER:	138 EAST BOLT ON
NAME OF SUBMITTER:	RONAN O'BYRNE
SIGNATURE:	/Ronan O'Byrne/
DATE SIGNED:	07/16/2018

Total Attachments: 15

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Seiko Epson Corporation ("Assignor"), having a place of business at 1-6, Shinjuku 4-chome, Shinjuku-ku, Tokyo 1608801 Japan, hereby irrevocably assigns, sells, transfers, and conveys to 138 East LCD Advancements Limited, a company organized and existing under the laws of Ireland having a place of business at 1st Floor, Blackthorn Exchange, Bracken Road, Sandyford, Dublin D18 P3Y9, Ireland ("Assignee"), all rights, title and interest that exist as of June 22, 2018 and may exist in the future in and to any of the following (collectively, the "*Patent Rights*"):

(a) the patent applications and patents listed in the attached Appendix I (collectively, the "*Assigned Assets*"), including all rights of priority;

(b) all patents, divisionals, continuations, continuations-in-part, continued prosecution applications, requests for continuing examinations, reissues, reexaminations and extensions thereof and all pending applications therefor, and any other patent or patent application related to such patent or patent application by claim of direct or indirect priority or terminal disclaimer, and all pending applications therefor, and any patents resulting therefrom for all Assigned Assets in (a) above;

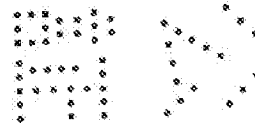
(c) all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories by claim of direct or indirect priority or terminal disclaimer (a) and (b), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(d) all items in any of the foregoing categories (a) through (c), whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(f) all claims and causes of action (whether known or unknown or whether currently pending, filed, or otherwise) for damages, injunctive relief, and any other remedies of any kind, accounting and information, and other secondary claims arising out of the past, current, and future infringement of the Assigned Assets and/or any item in any of the foregoing categories (b) through (e) by third parties which have accrued with Assignor or to which Assignor otherwise holds title; and

(g) all rights to collect royalties and other payments under or on account of any of the Assigned Assets and/or any item in any of the foregoing categories (b) through (f).



Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances which may be granted upon any of the Assigned Assets in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representative to execute this assignment.

Seiko Epson Corporation

By: 高畑俊哉

Name: Takahata Toshiya

Title: General Administrative Manager, Intellectual Property Division

Date: June 28, 2018

Assignee hereby declares the acceptance of the assignment of Patent Rights.

ASSIGNEE:

138 East LCD Advancements Limited

By: Garrett Dempsey

Name: GARRETT DEMPSEY

Title: DIRECTOR

TT



SCHEDULE A

PATENTS

Family No.	Serial No.	Country	Application No.	Patent No.
F- 1	1	US	09/323484	USP6313900
F- 2	2	JP	特願平 11-095082	03876565
F- 3	3	KR	10-1999-0036823	00513951
F- 3	4	TW	88114988	172978
F- 3	5	US	09/384539	USP6580423
F- 3	6	US	10/412259	USP06762754
F- 3	7	JP	特願平 10-250129	03846057
F- 4	8	JP	特願 2004-038296	04400239
F- 5	9	JP	特願平 11-084763	04185620
F- 6	10	CN	99802378.7	ZL99802378.7
F- 6	11	CN	03149363.7	ZL03149363.7
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F- 6	13	KR	10-2000-7006966	00469109
F- 6	14	TW	88120731	169038
F- 6	15	US	09/600700	USP6521913
F- 6	16	US	10/320372	USP06770909
F- 6	17	US	10/320364	USP06872975
F- 6	18	US	10/320373	USP06765230
F- 6	19	JP	特願平 11-560325	03458382
F- 6	20	JP	特願 2000-111219	03904371
F- 6	21	JP	特願 2004-320159	03733970
F- 6	22	JP	特願 2002-199312	03867026



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F- 7	25	TW	88123043	164507
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F- 7	27	JP	特願 2000-591472	03381718
F- 7	28	JP	特願 2000-271562	03991567
F- 8	29	US	09/523218	USP6414781
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F- 8	31	JP	特願 2005-120690	04389836
F- 8	32	JP	特願 2003-017446	03881962
F- 9	33	JP	特願 2008-073015	04853483
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F- 10	39	TW	89115636	162281
F- 10	40	US	09/635400	USP6683592
F- 10	41	US	10/720351	USP07064735
F- 10	42	JP	特願 2000-190957	03636641
F- 10	43	JP	特願 2004-146685	03656648
F- 11	44	JP	特願 2005-107126	03931909
F- 11	45	CN	00802080.9	ZL00802080.9
F- 12	46	JP	特願平 11-307666	03775137



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F- 14	48	CN	01132641.7	ZL01132641.7
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F- 16	51	JP	特願 2000-043352	03849388
F- 17	52	JP	特願 2000-118139	04572313
F- 18	53	JP	特願 2006-032751	04093270
F- 19	54	CN	01112022.3	ZL01112022.3
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F- 21	58	JP	特願 2000-236196	03932783
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F- 23	63	US	09/922859	USP06912020
F- 23	64	JP	特願 2001-183863	03460706
F- 24	65	CN	01135353.8	ZL01135353.8
F- 24	66	US	09/969640	USP06930662
F- 25	67	CN	01135345.7	ZL01135345.7
F- 25	68	US	09/969621	USP06778157
F- 25	69	JP	特願 2001-254848	03520863
F- 26	70	JP	特願 2000-278865	03991569



Family No.	Serial No.	Country	Application No.	Patent No.
F- 27	71	JP	特願 2000-232345	03711848
F- 28	72	JP	特願 2000-318543	03931547
F- 29	73	US	09/994697	USP06864866
F- 29	74	JP	特願 2001-332922	03458851
F- 29	75	JP	特願 2003-157091	03873932
F- 30	76	JP	特願 2000-349643	03855646
F- 31	77	CN	02107013.X	ZL02107013.X
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F- 31	79	JP	特願 2002-014765	04066662
F- 31	80	JP	特願 2007-247559	04433028
F- 31	81	JP	特願 2007-247560	04442673
F- 32	82	JP	特願 2001-062521	03714175
F- 33	83	CN	02800416.7	ZL02800416.7
F- 33	84	HK	04101722.9	HK1058970
F- 33	85	KR	2002-7014313	00572554
F- 33	86	TW	91103467	186996
F- 33	87	US	10/469130	USP07172294
F- 34	88	JP	特願 2001-192774	03932835
F- 35	89	JP	特願 2001-183251	03840922
F- 36	90	US	11/130226	USP07598969
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Family No.	Serial No.	Country	Application No.	Patent No.
F- 37	95	US	10/259766	USP07202927
F- 37	96	JP	特願 2002-264520	03736513
F- 37	97	JP	特願 2005-178961	04462128
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F- 38	106	US	11/373285	USP07233372
F- 38	107	US	11/797838	USP07362397
F- 38	108	JP	特願 2005-032660	04182488
F- 39	109	JP	特願 2001-261572	04374812
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F- 40	112	JP	特願 2002-223383	03729163
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F- 42	116	JP	特願 2010-050913	05206712
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Family No.	Serial No.	Country	Application No.	Patent No.
F- 43	119	JP	特願 2002-174965	04653374
F- 44	120	JP	特願 2001-334618	04096546
F- 45	121	JP	特願 2001-373334	04089216
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F- 48	129	JP	特願 2003-025871	03918741
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F- 49	131	JP	特願 2002-028125	04168635
F- 50	132	JP	特願 2002-044842	04214702
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F- 51	135	JP	特願 2002-146432	03873814
F- 52	136	JP	特願 2002-101528	04265144
F- 53	137	JP	特願 2003-114351	04206805
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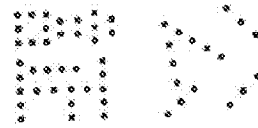
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F- 55	146	JP	特願 2002-122814	04026398
F- 56	147	KR	10-2003-0046721	00574130
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F- 56	149	JP	特願 2003-127325	03659250
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F- 57	162	JP	特願 2003-321788	04003724
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Family No.	Serial No.	Country	Application No.	Patent No.
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F- 62	181	JP	特願 2009-276224	04862936
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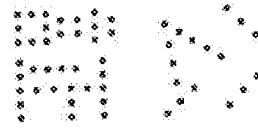
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F- 66	196	JP	特願 2002-342496	04269659
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F- 67	200	US	10/779783	USP07372443
F- 67	201	US	12/073873	USP07961168
F- 67	202	JP	特願 2006-074171	04093274
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F- 69	209	JP	特願 2003-202639	03938112
F- 69	210	JP	特願 2003-202640	04211517
F- 69	211	US	10/704569	USP07075109
F- 70	212	JP	特願 2003-019129	04479154
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F- 71	214	KR	10-2003-0093247	00625760



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F- 71	215	US	10/722442	USP06950308
F- 71	216	CN	200310121818.0	ZL200310121818.0
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F- 71	220	TW	92135243	I249150
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F- 71	222	CN	200410031079.0	ZL200410031079.0
F- 71	223	KR	20040027542	00614724
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F- 71	225	JP	特願 2002-370068	03736522
F- 71	226	JP	特願 2002-370069	03736523
F- 71	227	JP	特願 2003-117168	03707480
F- 72	228	JP	特願 2002-370072	04378945
F- 73	229	JP	特願 2003-039864	04366953
F- 74	230	JP	特願 2003-077364	04281385
F- 75	231	JP	特願 2003-044665	04479156
F- 76	232	JP	特願 2003-060267	04074533
F- 77	233	CN	200410008886.0	ZL200410008886.0
F- 77	234	JP	特願 2003-384073	03731598
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F- 78	236	CN	200410032732.5	ZL200410032732.5
F- 78	237	KR	20040025644	00654824
F- 78	238	US	10/823657	USP07301518



Family No.	Serial No.	Country	Application No.	Patent No.
F- 78	239	JP	特願 2006-149344	04049192
F- 79	240	JP	特願 2003-143422	04370810
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F- 82	250	JP	特願 2003-190605	04407178
F- 83	251	JP	特願 2003-192921	04370834
F- 84	252	US	10/897079	USP07215388
F- 85	253	JP	特願 2003-297656	04442159
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