

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7499076

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
SEIKO EPSON CORPORATION	07/07/2022

RECEIVING PARTY DATA

Name:	MICROCHIP TECHNOLOGY INCORPORATED
Street Address:	2355 WEST CHANDLER BLVD.
City:	CHANDLER
State/Country:	ARIZONA
Postal Code:	85224-6199

PROPERTY NUMBERS Total: 91

Property Type	Number
Patent Number:	7956697
Patent Number:	8253497
Patent Number:	8710934
Patent Number:	8314661
Patent Number:	8614605
Patent Number:	8947169
Patent Number:	8736386
Patent Number:	8476983
Patent Number:	8638177
Patent Number:	8830005
Patent Number:	9007136
Patent Number:	9191017
Patent Number:	9019024
Patent Number:	9130579
Patent Number:	9952562
Patent Number:	9356426
Patent Number:	9350368
Patent Number:	9595973
Patent Number:	9444477

PATENT

Property Type	Number
Patent Number:	9203026
Patent Number:	9503110
Patent Number:	9627846
Patent Number:	9319056
Patent Number:	9319055
Patent Number:	9503021
Patent Number:	9484716
Patent Number:	9531397
Patent Number:	10782415
Patent Number:	9979409
Patent Number:	10187073
Patent Number:	10224943
Patent Number:	9935642
Patent Number:	10312924
Patent Number:	10097191
Patent Number:	10133095
Patent Number:	10348317
Patent Number:	10871573
Patent Number:	10326461
Patent Number:	10523226
Patent Number:	10383078
Patent Number:	10340930
Patent Number:	10326256
Patent Number:	10199797
Patent Number:	10566983
Patent Number:	10333536
Patent Number:	10680628
Patent Number:	10812093
Patent Number:	10812092
Patent Number:	10992307
Patent Number:	10673446
Patent Number:	10756513
Patent Number:	10642226
Patent Number:	10649409
Patent Number:	10727850
Patent Number:	10868553
Patent Number:	10659066
Patent Number:	10725430

Property Type	Number
Patent Number:	10826509
Patent Number:	10680629
Patent Number:	8760232
Patent Number:	9054638
Patent Number:	9385734
Patent Number:	9768791
Patent Number:	9705517
Patent Number:	9735733
Patent Number:	10027335
Patent Number:	10700690
Patent Number:	8067990
Patent Number:	7940133
Patent Number:	7446618
Patent Number:	7838890
Patent Number:	9342269
Patent Number:	9312871
Patent Number:	9692432
Patent Number:	10291244
Patent Number:	9912339
Patent Number:	10270458
Patent Number:	10432204
Patent Number:	10727851
Patent Number:	11005486
Patent Number:	11233376
Patent Number:	10222482
Patent Number:	8593229
Patent Number:	10348318
Patent Number:	10804915
Patent Number:	10826510
Patent Number:	11005487
Patent Number:	11381058
Patent Number:	10171095
Application Number:	17329311
Application Number:	17183526

CORRESPONDENCE DATA

Fax Number:

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ATTORNEY DOCKET NUMBER: 68354.100001

NAME OF SUBMITTER: DEBBIE ALLEN

SIGNATURE: /Debbie Allen/

DATE SIGNED: 08/23/2022

Total Attachments: 11

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ASSIGNMENT OF PATENT RIGHTS

Whereas, Seiko Epson Corporation, a corporation organized and existing under the laws of Japan, and having its principal place of business at 1-6, Shinjuku 4-chome, Shinjuku-ku, Tokyo 160-8801, Japan (hereinafter "Assignor"), a corporation organized and existing under the laws of Japan, and having its principal place of business at 1-6, Shinjuku 4-chome, Shinjuku-ku, Tokyo 160-8801, Japan, is the sole and exclusive owner of the patents and patent applications which are listed on Exhibit A hereto (hereinafter "Assigned Patents"); and

Whereas, Microchip Technology Incorporated (hereinafter "Assignee"), a Delaware, USA corporation having a place of business at 2355 W Chandler Blvd, Chandler, AZ 85224 USA, is desirous of acquiring the entire right, title and interest in, to and under the Assigned Patents.

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby irrevocably sell, assign, transfer and convey to Assignee:

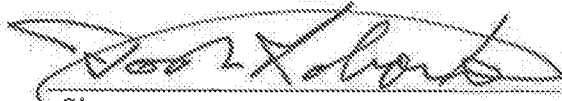
- (i) all of Assignor's right, title and interest in and to the Assigned Patents and all patents or patent applications worldwide that may issue from, or claim priority to or through, any of the Assigned Patents ("Patent Rights"); and
- (ii) all rights in and to causes of action and enforcement rights for the Patent Rights including, without limitation, all rights to pursue damages, injunctive relief, and any other remedies of any kind for past, current and future infringement of the Patent Rights.

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

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

Seiko Epson Corporation (Assignor)

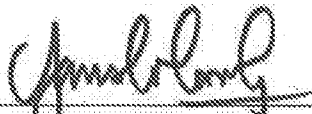
Microchip Technology Incorporated
(Assignee)


Signature

Toshihiko Kobayashi
Printed Name

General Administrative Manager
Title

July 7, 2022
Date


Signature

Ganesh Moorthy
Printed Name

President and CEO
Title

July 11th 2022
Date

Exhibit A
Assigned Patents

No.	Family No.	Country	Application No.	Publication No.	Patent No.
1	F- 1	JP	特願2006-111868	特開2007-288412	04240051
2	F- 2	JP	特願2006-161966	特開2007-335937	04725429 [Expired]
3	F- 3	JP	特願2006-191099	特開2008-022193	04360385 [Expired]
4	F- 4	JP	特願2007-041825	特開2008-206001	04853322 [Expired]
5	F- 5	JP	特願2007-097998	特開2008-258861	04983349 [Expired]
6	F- 6	JP	特願2008-000369	特開2009-164334	05343356
7	F- 6	US	12/349040	2009/0174489	USP07956697
8	F- 7	JP	特願2008-124359	特開2009-273088	05181815
9	F- 8	US	12/486141	2009/0315629	USP08067990
10	F- 8	US	13/277753	2012/0062327	USP08593229
11	F- 9	JP	特願2010-045081	特開2011-182215	05679099
12	F- 9	US	13/037667	2011/0215878	USP08253497
13	F- 10	JP	特願2009-024548	特開2010-183323	05402036
14	F- 11	CN	201010572981. 9	102118165	ZL201010572981. 9
15	F- 11	JP	特願2009-273157	特開2011-119325	05504851
16	F- 11	US	12/956193	2011/0128082	USP08710934
17	F- 12	CN	201010546843. 3	102064828	ZL201010546843. 3
18	F- 12	JP	特願2009-258872	特開2011-108678	05589166
19	F- 12	US	12/916696	2011/0109395	USP08314661
20	F- 12	US	13/650787	2013/0038398	USP08760232
21	F- 13	JP	特願2011-051748	特開2012-190916	05880807
22	F- 14	JP	特願2012-194051	特開2014-050073	06074957
23	F- 15	JP	特願2012-112200	特開2013-239612	06069886
24	F- 16	JP	特願2011-236927	特開2013-098606	05796454
25	F- 17	JP	特願2012-194836	特開2014-053661	06060568
26	F- 18	CN	201210064093. 5	102684693	ZL201210064093. 5
27	F- 18	JP	特願2011-055656	特開2012-191582	05655647
28	F- 18	US	13/418681	2012/0235755	USP08614605

No.	Family No.	Country	Application No.	Publication No.	Patent No.
29	F- 19	CN	201310157695. X	103391097	ZL201310157695. X
30	F- 19	JP	特願2012-107792	特開2013-236268	05874522
31	F- 19	US	13/874683	2013/0300510	USP08947169
32	F- 20	JP	特願2011-058558	特開2012-195788	05724492
33	F- 21	JP	特願2016-114607	特開2016-187200	06164341
34	F- 21	US	13/554250	2013/0027142	USP08736386
35	F- 22	US	09/818861	2002-0044581	USP6631152 [Expired]
36	F- 23	US	12/714668	2010/0148879	USP07940133
37	F- 24	JP	特願2005-377488	特開2007-178274	05228275
38	F- 25	US	11/613290	2007/0139128	USP07446618
39	F- 26	US	11/696219	2007/0238208	USP07838890
40	F- 27	JP	特願2008-152555	特開2009-302706	05217661
41	F- 27	JP	特願2013-041541	特開2013-150334	05713039
42	F- 28	JP	特願2009-137996	特開2010-287937	05407570
43	F- 29	CN	201110150422. 3	102394646	ZL201110150422. 3
44	F- 29	JP	特願2010-159505	特開2012-023179	05699467
45	F- 29	US	13/162916	2012/0013411	USP08476983
46	F- 29	US	13/909388	2013/0265113	USP09054638
47	F- 29	JP	特願2011-064031	特開2012-199492	06056118
48	F- 29	US	13/359830	2012/0242417	USP08830005
49	F- 30	CN	201210064106. 9	102684694	ZL201210064106. 9
50	F- 30	JP	特願2011-055432	特開2012-191119	05910806
51	F- 30	US	13/418688	2012/0235756	USP08638177
52	F- 31	CN	201310046276. 9	103248362	ZL201310046276. 9
53	F- 31	JP	特願2012-024160	特開2013-162031	06123977
54	F- 31	JP	特願2016-256497	特開2017-098569	06365851
55	F- 31	US	13/759360	2013/0200955	USP09007136
56	F- 32	CN	201410045885. 7	103997340	ZL201410045885. 7
57	F- 32	JP	特願2013-029166	特開2014-157987	06119294
58	F- 32	US	14/177487	2014/0232478	USP09191017
59	F- 33	CN	201410045566. 6	103997339	ZL201410045566. 6
60	F- 33	JP	特願2013-029167	特開2014-157988	06119295
61	F- 33	US	14/177497	2014/0232479	USP09019024

No.	Family No.	Country	Application No.	Publication No.	Patent No.
62	F- 33	US	14/672557	2015/0207516	USP09385734
63	F- 34	JP	特願2012-082911	特開2013-214554	06069872
64	F- 35	CN	201410045898. 4	104079297	ZL201410045898. 4
65	F- 35	JP	特願2013-065633	特開2014-192669	06210192
66	F- 35	US	14/199305	2014/0292426	USP09130579
67	F- 36	CN	201310683175. 2	103941268	ZL201310683175. 2
68	F- 36	JP	特願2013-006994	特開2014-137318	06175775
69	F- 36	JP	特願2017-136021	特開2017-203779	06485501
70	F- 36	US	14/153463	2014/0203963	USP09952562
71	F- 36	US	14/660129	2015/0185329	USP10222482
72	F- 37	JP	特願2013-071579	特開2014-197733	06094750
73	F- 38	US	15/648847	2017/0310332	USP10171095
74	F- 39	JP	特願2013-066357	特開2014-192705	06209840
75	F- 39	US	14/219102	2014/0293551	USP09356426
76	F- 40	JP	特願2013-126340	特開2015-002447	06263869
77	F- 41	JP	特願2013-134625	特開2015-012358	06232777
78	F- 42	JP	特願2013-139527	特開2015-015278	06115359
79	F- 43	JP	特願2013-203480	特開2015-068729	06201585
80	F- 44	CN	201410490591. 5	104518794	ZL201410490591. 5
81	F- 44	JP	特願2013-205755	特開2015-070228	06179327
82	F- 45	CN	201410483759. X	104518793	ZL201410483759. X
83	F- 45	JP	特願2013-200579	特開2015-070331	06291768
84	F- 45	US	14/494915	2015/0084707	USP09350368
85	F- 46	CN	201410428863. 9	104426545	ZL201410428863. 9
86	F- 46	JP	特願2013-183735	特開2015-053304	06171748
87	F- 46	US	14/477187	2015/0061785	USP09595973
88	F- 47	US	14/606327	2015/0214895	USP09342269
89	F- 48	CN	202010298659. 5	111431527	
90	F- 48	JP	特願2013-263484	特開2015-119151	06337464
91	F- 48	US	14/573467	2015/0180489	USP09444477
92	F- 48	US	15/235567	2016/0352346	USP09768791
93	F- 49	CN	201410758414. 0	104716957	ZL201410758414. 0
94	F- 49	JP	特願2013-259640	特開2015-118962 [Withdrawn]	

No.	Family No.	Country	Application No.	Publication No.	Patent No.
95	F- 49	US	14/564677	2015/0171325	USP09203026
96	F- 50	CN	201410789535.1	104734707	ZL201410789535.1
97	F- 50	JP	特願2013-264662	特開2015-122596	06361129
98	F- 50	US	14/571747	2015/0180487	USP09503110
99	F- 51	US	14/576795	2015/0180492	USP09312871
100	F- 51	US	15/062579	2016/0191068	USP09692432
101	F- 52	CN	201410784702.3	104734705	ZL201410784702.3
102	F- 52	CN	201910711781.8	110474231	ZL201910711781.8
103	F- 52	JP	特願2013-263489	特開2015-119152	06303481
104	F- 52	JP	特願2018-041520	特開2018-125543	06597817
105	F- 52	US	14/574590	2015/0180199	USP09627846
106	F- 53	CN	201410797656.0	104734708	ZL201410797656.0
107	F- 53	JP	特願2013-264663	特開2015-122597	06354151
108	F- 53	US	14/574970	2015/0180490	USP09319056
109	F- 54	JP	特願2013-263491	特開2015-119444	06264876
110	F- 55	CN	201410781811.X	104734703	ZL201410781811.X
111	F- 55	JP	特願2013-263492	特開2015-119445	06287169
112	F- 55	JP	特願2018-019859	特開2018-107812	06493576
113	F- 55	US	14/571748	2015/0180488	USP09319055
114	F- 55	US	15/077130	2016/0204788	USP09705517
115	F- 56	CN	201510124644.6	104935340	ZL201510124644.6
116	F- 56	JP	特願2014-058506	特開2015-185911	06484922
117	F- 57	CN	201510648184.7	105515580	ZL201510648184.7
118	F- 57	JP	特願2014-210062	特開2016-081997	06520039
119	F- 57	US	14/881475	2016/0105150	USP09503021
120	F- 57	US	15/295261	2017/0040946	USP09735733
121	F- 57	US	15/489856	2017/0222653	USP10027335
122	F- 57	JP	特願2014-210063	特開2016-081998	06442969
123	F- 58	JP	特願2014-220035	特開2016-086140 [Withdrawn]	
124	F- 58	US	14/925064	2016/0126703	USP09484716
125	F- 59	CN	201510954844.4	105720976	ZL201510954844.4
126	F- 59	JP	特願2014-257006	特開2016-119351	06519169
127	F- 59	US	14/973796	2016/0182069	USP09531397

No.	Family No.	Country	Application No.	Publication No.	Patent No.
128	F- 60	JP	特願2015-054045	特開2016-173326	06485141
129	F- 60	US	15/064847	2016/0274243	USP10782415
130	F- 61	CN	201610313172. 3	106209078	ZL201610313172. 3
131	F- 61	JP	特願2015-107644	特開2016-225708	06589375
132	F- 61	US	15/160160	2016/0352344	USP09979409
133	F- 61	US	15/955174	2018/0234100	USP10700690
134	F- 62	CN	201610347593. 8	106209097	ZL201610347593. 8
135	F- 62	JP	特願2015-108932	特開2016-225751	06672615
136	F- 62	US	15/160223	2016/0352345	USP10187073
137	F- 63	JP	特願2015-093913	特開2016-213285	06565307
138	F- 64	JP	特願2015-210822	特開2017-084935	06575299
139	F- 64	US	15/289311	2017/0117909	USP10224943
140	F- 65	US	15/347002	2017/0141783	USP10291244
141	F- 66	US	15/283742	2017/0099060	USP09912339
142	F- 67	JP	特願2015-222778	特開2017-092797	06661985
143	F- 68	JP	特願2015-245973	特開2017-112515	06763135
144	F- 69	JP	特願2015-171733	特開2017-050665	06627334
145	F- 70	JP	特願2015-180441	特開2017-059865	06627349
146	F- 71	CN	201610638372. 6	106470035	ZL201610638372. 6
147	F- 71	JP	特願2015-160325	特開2017-041662	06544132
148	F- 71	US	15/236714	2017/0054446	USP09935642
149	F- 72	JP	特願2015-171734	特開2017-050666	06627335
150	F- 73	JP	特願2015-136029	特開2017-022159	06565397
151	F- 74	JP	特願2016-074024	特開2017-188711	06686640
152	F- 75	JP	特願2016-000397	特開2017-123511	06686442
153	F- 76	CN	201611182303. 5	107037723	
154	F- 76	JP	特願2015-248843	特開2017-118192	06627489
155	F- 76	US	15/378440	2017/0179967	USP10312924
156	F- 77	JP	特願2016-027687	特開2017-147586	06753068
157	F- 78	CN	201610921948. X	107017881	ZL201610921948. X
158	F- 78	EP	16195500. 0	03171232	03171232 [Expired]
159	F- 78	JP	特願2015-210824	特開2017-084937	06705151
160	F- 78	US	15/332185	2017/0117911	USP10097191

No.	Family No.	Country	Application No.	Publication No.	Patent No.
161	F- 79	JP	特願2016-013056	特開2017-135226	06662061
162	F- 80	JP	特願2016-017717	特開2017-139280	06682885
163	F- 80	US	15/419179	2017/0219852	USP10133095
164	F- 81	JP	特願2016-032756	特開2017-152514	06743410
165	F- 81	US	15/421742	2017/0244420	USP10348317
166	F- 82	CN	201810121263. 6	108508454	
167	F- 82	JP	特願2017-035563	特開2018-141688 [Withdrawn]	
168	F- 82	US	15/904799	2018/0246216	USP10871573
169	F- 83	CN	201710163773. 5	107241095	
170	F- 83	JP	特願2016-063268	特開2017-183313	06728867
171	F- 83	US	15/463354	2017/0279456	USP10326461
172	F- 84	CN	201710165888. 8	107241096	
173	F- 84	US	15/460975	2017/0288687	USP10270458
174	F- 85	CN	201710181972. 9	107231152	
175	F- 85	JP	特願2016-061382	特開2017-175035	06728850
176	F- 85	US	15/460968	2017/0279455	USP10523226
177	F- 86	CN	201810219643. 3	108628155	ZL201810219643. 3
178	F- 86	JP	特願2017-053810	特開2018-155665 [Withdrawn]	
179	F- 86	US	15/914441	2018/0270774	USP10383078
180	F- 87	CN	201710442515. 0	107592112	
181	F- 87	JP	特願2016-136128	特開2018-006703	06750355
182	F- 87	US	15/642817	2018/0013440	USP10340930
183	F- 88	US	15/696478	2018/0069560	USP10432204
184	F- 89	JP	特願2016-167102	特開2018-037454	06786961
185	F- 89	US	15/683056	2018/0062349	USP10326256
186	F- 90	JP	特願2016-174978	特開2018-041839	06838326
187	F- 90	US	15/695321	2018/0069372	USP10199797
188	F- 91	CN	201710711544. 2	107800431	
189	F- 91	JP	特願2017-031401	特開2018-046268	06926519
190	F- 91	US	15/695344	2018/0069558	USP10348318
191	F- 92	CN	201710711853. X	107800432	
192	F- 92	JP	特願2016-174979	特開2018-042114	06753232

No.	Family No.	Country	Application No.	Publication No.	Patent No.
193	F- 92	US	15/685293	2018/0069557	USP10566983
194	F- 93	CN	201710711165.3	107800430	
195	F- 93	JP	特願2016-174575	特開2018-042096	06693353
196	F- 93	US	15/695567	2018/0069559	USP10333536
197	F- 94	CN	201811133983.0	109586717	
198	F- 94	JP	特願2017-188994	特開2019-068137	06939344
199	F- 94	US	16/142044	2019/0097643	USP10680628
200	F- 95	CN	201811250285.9	109728811	
201	F- 95	JP	特願2017-208099	特開2019-080287	06891760
202	F- 95	US	16/171572	2019/0131985	USP10812093
203	F- 96	CN	201810995692.6	109428594	
204	F- 96	JP	特願2017-168094	特開2019-047307	06841190
205	F- 96	US	16/117580	2019/0068208	USP10812092
206	F- 97	JP	特願2017-214371	特開2019-087865	07003579
207	F- 97	US	16/181472	2020/0028516	USP10992307
208	F- 98	JP	特願2018-060606	特開2019-175946 [Withdrawn]	
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212	F- 100	JP	特願2018-042187	特開2019-161314	
213	F- 100	US	16/295330	2019/0278231	USP10642226
214	F- 101	CN	201910159671.5	110247657	
215	F- 101	JP	特願2018-042188	特開2019-160878	
216	F- 101	US	16/295421	2019/0280702	USP10649409
217	F- 102	CN	201811345932.4	109787629	
218	F- 102	JP	特願2017-219400	特開2019-092040	07017066
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220	F- 102	JP	特願2017-219402	特開2019-092042 [Withdrawn]	
221	F- 103	CN	201811343339.6	109787627	
222	F- 103	JP	特願2017-219401	特開2019-092041	
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226	F- 104	US	16/188677	2019/0149157	USP10868553
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230	F- 106	JP	特願2017-254198	特開2019-121853 [Withdrawn]	
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244	F- 114	JP	特願2019-068036	特開2020-167591	
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246	F- 115	US	16/832100	2020/0313395	USP11233376
247	F- 116	JP	特願2019-139487	特開2021-022891	
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250	F- 118	US	17/183526	2021/0265820	
251	F- 119	JP	特願2020-031340	特開2021-136327	
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256	F- 124	JP	特願2020-091440	特開2021-190743	
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258	F- 125	JP	特願2020-212186		
259	F- 126	JP	特願2020-214755		