PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7957517

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	507783235

CONVEYING PARTY DATA

Name	Execution Date
SHARP KABUSHIKI KAISHA	08/01/2022
FG Innovation Company Limited	08/01/2022

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	1, Takumi-cho, Sakai-ku
City:	Sakai City, Osaka
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17895653

CORRESPONDENCE DATA

Fax Number: (213)426-1788

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2134261771
Email: eoa-proce@scienbizip.com,eoa-cbd@scienbizip.com,eoa-procc@scienbizippc.com
Correspondent Name: CALVIN H CHAI
Address Line 1: 550 S. HOPE STREET, SUITE 2825
Address Line 4: LOS ANGELES, CALIFORNIA 90071

ATTORNEY DOCKET NUMBER:	US88130
NAME OF SUBMITTER:	CALVIN CHAI
SIGNATURE:	/calvin chai/
DATE SIGNED:	05/17/2023
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 32
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SET B PATENT ASSIGNMENT AGREEMENT

This SET B PATENT ASSIGNMENT AGREEMENT (this "Agreement") coming into force upon this 1st day of August, 2022 (the "Effective Date") is between: (i) FG Innovation Company Limited, a Hong Kong company having its principal place of business at Flat 2623, 26/F, Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong ("Assignor"); and (ii) Sharp Kabushiki Kaisha (also known as Sharp Corporation), a corporation duly incorporated and existing under the laws of Japan having a principal office at 1 Takumi-cho, Sakai-ku, Sakai-shi, Osaka 590-8522, Japan ("Assignee").

W I T N E S S E T H:

WHEREAS, Assignor and Assignee jointly own the patents and patent applications identified on the Schedule B attached hereto (collectively, the "Assigned Patents") and now wish to assign all right, title, and interest in and to the Assigned Patent to Assignee as set forth below.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Agreement, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

1. **Assignment.** Assignor hereby transfers, assigns, and conveys to Assignee, as of the Effective Date, its right, title, and interest throughout the world (under any and all laws and in any and all jurisdictions) in and to all of the Assigned Patents, in each case, subject to all Existing Encumbrances (as defined below) and License Back to Assignor (as in paragraph 4 below). Subject to the foregoing, each of the Assigned Patents will hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Agreement had not been made. The foregoing assignment includes, without limitation, the rights to (a) register or apply in all countries and regions for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for the Assigned Patents; (b) prosecute, maintain, and defend the Assigned Patents before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications and post issue proceedings included in the Assigned Patents; (c) claim priority based on the filing dates of any of the Assigned Patents under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (d) sue and recover damages or other compensation for past, present, or future infringements of the Assigned Patents, the right to sue and obtain equitable relief, including injunctive relief, in respect of such infringements, and the right to fully and entirely stand in the place of the Assignor in all matters related to the Assigned Patents. As used in this Agreement, "Existing Encumbrances" means, in relation to the Assigned Patents, all licenses, covenants not to sue or assert, covenants to exhaust remedies, and commitments to license (such as commitments to license on FRAND or RAND terms), including any of the foregoing that results from a commitment or undertaking provided to one or more standards organizations, in each case that are binding on Assignor as of the Effective Date of this Agreement.

2. **Authorization.** Assignor also hereby expressly authorizes the patent office or governmental agency in each and every jurisdiction worldwide (including the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities) (the "Applicable IP Offices") to: (a) issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the Assignor's interest therein; and (b) record Assignee as the assignee of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Agreement.

3. **Further Assurances.** Each party hereby agrees to execute and deliver to the other party all necessary documents and take all necessary actions reasonably requested by such party from time to time to confirm or effect the assignments set forth in this Agreement, or otherwise to carry out the purposes of this Agreement, including, without limitation, by providing executed originals of short-form assignment agreements entered into by Assignor and Assignee on the Effective Date for filing or otherwise evidencing the assignments set forth in this Agreement with the Applicable IP Offices; provided, however, that nothing herein will obligate Assignor to incur any cost or pay any expense in connection therewith.

4. **License Back to Hon Hai.** Assignee hereby grants to Hon Hai Precision Industry Co., Ltd., having its principal place of business at 2 Tzu Yu Street, Tu-Cheng District, New Taipei City 23606 Taiwan ("Hon Hai") and each of

its subsidiaries (but only for as long as it remains a subsidiary of Hon Hai) an irrevocable, perpetual, non-exclusive, worldwide, royalty-free, non-sublicensable, non-assignable (except as permitted in this section), and fully paid-up license, under the Assigned Patents, in all fields to: (a) use, develop, make, have made, sell, offer to sell, import, lease, and otherwise exploit any products branded with a brand or trademark owned by Hon Hai; (b) use any method or process in manufacturing any product and use and perform any such method or process; and (c) otherwise practice the inventions claimed in the Assigned Patents in every manner. The foregoing license granted to Hon Hai and each of its subsidiaries may be assigned, in whole or in part, to a successor to a substantial portion of business of Hon Hai, as a result of and based on the consummation of a transaction (or integrated series of transactions) involving a spin-off, divestiture, or reorganization of such business by means of (i) a distribution of shares to Hon Hai's then-existing shareholders, (ii) an initial public offering of voting securities, (iii) an internal reorganization that does not involve any third party, or (iv) a combination of the immediately preceding clauses (i), (ii) and (iii) above, provided that such assignee or successor agrees to be bound to all of the terms and conditions of this Agreement.

5. **Representations and Warranties**. Assignor represents and warrants to Assignee that (i) Assignor has the full right and power to assign its ownership of each Assigned Patent to Assignee; and (ii) each Assigned Patent is free and clear of all security interests and other liens.

6. **Governing Law.** This Agreement will be governed by and construed and interpreted in accordance with the laws of the State of New York regardless of choice of law principles, as to all matters, including matters of validity, construction, effect, enforceability, performance and remedies and in respect of the statute of limitations or any other limitations period applicable to any claim, controversy or dispute.

7. **General Provisions.** This Agreement may be executed in any number of counterparts, each of which will be deemed to be an original, and all of which together will constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or electronic mail will be as effective as delivery of a manually executed counterpart of this Agreement. This Agreement may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any term or provision of this Agreement will not waive any of its rights under such term or provision.

IN WITNESS WHEREOF, Assignor and Assignee have caused this instrument to be executed by their respective duly authorized representative as of the Effective Date.

Assignor:

By: Chie Ming Chou
Name: ChieMing Chou
Title: CEO, FG Innovation Company Limited

Assignee:

By:
Name: Mototaka Taneya
Title: Executive Managing Officer
BU President, Corporate R&D BU
Sharp Kabushiki Kaisha
(also known as Sharp Corporation)

Schedule B: Set B Patents of the JPA

No	Family No.	Country	Application No.	Patent No.	Application Date
1	16R00678	CN	201780027601.3	201780027601.3	2017-04-25
1	16R00678	CN	202210006026.1		2022-01-05
1	16R00678	CN	202210006759.5		2022-01-05
1	16R00678	CN	202210006030.8		2022-01-05
1	16R00678	EP	17792715.9		2017-04-25
1	16R00678	US	16/098251	10931947	2017-04-25
1	16R00678	US	17/149926		2021-01-15
2	16R00688	BR	BR112018073476-4		2017-05-15
2	16R00688	CN	201780029408.3	201780029408.3	2017-05-15
2	16R00688	DE	602017050934.5	3459195	2017-05-15
2	16R00688	EG	PCT/1827/2018	30149	2017-05-15
2	16R00688	FR	17729239.8	3459195	2017-05-15
2	16R00688	GB	17729239.8	3459195	2017-05-15
2	16R00688	IN	201847043749		2017-05-15
2	16R00688	US	15/591945	10708100	2017-05-10
3	16R00760	CN	201610555258.7		2016-07-14
4	16R01075	CN	201780044744.5		2017-07-20
4	16R01075	EP	17746590.3		2017-07-20
5	16R01076	CN	201780045234.X	201780045234.X	2017-07-11
5	16R01076	CN	202110730684.0		2021-06-28
5	16R01076	CN	202110721825.2		2021-06-28
5	16R01076	CN	202110721827.1		2021-06-28
5	16R01076	EP	17830900.1		2017-07-11
5	16R01076	US	16/318384	10944976	2017-07-11
5	16R01076	US	17/163619	11343521	2021-02-01
5	16R01076	US	17/729019		2022-04-26
6	16R01077	AP	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	AU	2017302538	2017302538	2017-07-25
6	16R01077	CN	201780046611.1		2017-07-25
6	16R01077	DE	17835094.8	3491567	2017-07-25
6	16R01077	FR	17835094.8	3491567	2017-07-25
6	16R01077	GB	17835094.8	3491567	2017-07-25
6	16R01077	GH	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	GM	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	KE	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	KR	2019-7004449	2398947	2017-07-25
6	16R01077	LR	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	LS	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	MW	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	MX	MX/a/2019/001051		2017-07-25
6	16R01077	MZ	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	NZ	750482		2017-07-25
6	16R01077	RU	2019104613	2737202	2017-07-25
6	16R01077	RW	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	SD	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	TZ	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	UG	AP/P/2019/011421	AP6171	2017-07-25
6	16R01077	US	15/658980	10687270	2017-07-25
6	16R01077	US	16/892862	11284336	2020-06-04
6	16R01077	VN	1-2019-00833		2017-07-25
6	16R01077	ZW	AP/P/2019/011421	AP6171	2017-07-25

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7	16R01088	CA	3032529		2017-08-10
7	16R01088	CN	201780047701.2	201780047701.2	2017-08-10
7	16R01088	EP	17754963.1		2017-08-10
7	16R01088	KR	2019-7005370	2315253	2017-08-10
7	16R01088	RU	2019102592	2737389	2017-08-10
7	16R01088	US	15/673128	10873437	2017-08-09
8	16R01121	AU	2017352946	2017352946	2017-11-02
8	16R01121	CL	201901165	61.392	2017-11-02
8	16R01121	CN	201610974392.0	201610974392.0	2016-11-04
8	16R01121	CO	NC2019/0005700	40149	2017-11-02
8	16R01121	EP	17867703.5		2017-11-02
8	16R01121	ID	PID201904503		2017-11-02
8	16R01121	MX	MX/a/2019/005079		2017-11-02
8	16R01121	MY	PI2019002310		2017-11-02
8	16R01121	RU	2019116864	2731677	2017-11-02
8	16R01121	US	16/346093		2017-11-02
9	16R01123	AU	2017352937	2017352937	2017-11-02
9	16R01123	CL	201901218	63.748	2017-11-02
9	16R01123	CN	201610974441.0		2016-11-04
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9	16R01123	MX	MX/a/2019/004993		2017-11-02
9	16R01123	MY	PI2019002480		2017-11-02
9	16R01123	RU	2019116736	2740787	2017-11-02
9	16R01123	US	16/346091	11115887	2017-11-02
10	16R01137	AU	2017256288	2017256288	2017-04-24
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11	16R01184	BR	BR112019005694-7		2017-09-27
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11	16R01184	US	15/719040	10306630	2017-09-28
11	16R01184	ZA	2019/02458	2019/02458	2017-09-27
12	16R01192	CN	201780062350.2		2017-09-08
13	16R01287	US	16/090244	11005601	2017-02-22
14	16R01310	BR	BR112018071861-0		2017-04-19
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15	16R01311	CN	201780014436.8		2017-04-20
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15	16R01311	KR	2018-7021769	2325600	2017-04-20
15	16R01311	US	16/096682	10680786	2017-04-20
16	16R01338	AU	2017389025		2017-12-19
16	16R01338	CN	201611271047.7		2016-12-30
16	16R01338	EP	17887435.0		2017-12-19
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17	17R00009	AP	AP/P/2019/011754		2017-12-22
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17	17R00009	CN	201710012218.2	201710012218.2	2017-01-06
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17	17R00009	EP	17890404.1		2017-12-22
17	17R00009	ID	PID201906786		2017-12-22
17	17R00009	MX	MX/a/2019/008034		2017-12-22
17	17R00009	RU	2019124514	2756302	2017-12-22
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17	17R00009	US	16/476017	11129066	2017-12-22
18	17R00011	BR	BR112019013778-5		2017-12-19
18	17R00011	CA	3049284		2017-12-19
18	17R00011	CN	201710015357.0		2017-01-09
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18	17R00011	IL	267849		2017-12-19
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18	17R00011	PH	1-2019-501590		2017-12-19
18	17R00011	SG	10202107490W		2021-07-08
18	17R00011	US	16/476024		2017-12-19
19	17R00176	US	15/863614	10694444	2018-01-05
20	17R00189	AP	AP/P/2019/011729		2018-01-02
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20	17R00189	US	15/860917	10601621	2018-01-03
21	17R00240	CN	201780076830.4		2017-12-12
21	17R00240	EP	17881354.9		2017-12-12
21	17R00240	US	15/839798	10716100	2017-12-12
22	17R00303	CN	201780029344.7	201780029344.7	2017-04-19
22	17R00303	CN	202110686462.3		2021-06-21
22	17R00303	CN	202110687870.0		2021-06-21
22	17R00303	CN	202110687873.4		2021-06-21
22	17R00303	EP	17795916.0		2017-04-19

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22	17R00303	US	16/301226	10887626	2017-04-19
22	17R00303	US	17/096198		2020-11-12
22	17R00303	US	17/842067		2022-06-16
23	17R00313	CN	201780038074.6		2017-04-28
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24	17R00314	BR	BR112018072880-2		2017-04-28
24	17R00314	CA	3023493		2017-04-28
24	17R00314	CN	201780026629.5	201780026629.5	2017-04-28
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24	17R00314	KR	2018-7032463		2017-04-28
24	17R00314	US	16/099463	10631292	2017-04-28
25	17R00318	US	16/099661	11026184	2017-04-28
26	17R00320	CN	201780029052.3	201780029052.3	2017-05-10
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26	17R00320	JP	2018-517050	6779289	2017-05-10
26	17R00320	US	16/099935	11026251	2017-05-10
27	17R00322	CN	201780024012.X	201780024012.X	2017-05-16
27	17R00322	EP	17799378.9		2017-05-16
27	17R00322	ID	PID201810462		2017-05-16
27	17R00322	JP	2018-518306	6759336	2017-05-16
27	17R00322	MX	MX/a/2018/014143		2017-05-16
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28	17R00323	EP	17799379.7		2017-05-16
28	17R00323	IN	201817047249		2017-05-16
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29	17R00324	CA	3024828		2017-05-16
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29	17R00324	KR	2018-7036077	2323327	2017-05-16
29	17R00324	US	16/302533	10911991	2017-05-16
30	17R00329	AU	2017287229	2017287229	2017-06-15
30	17R00329	CN	201780033158.0	201780033158.0	2017-06-15
30	17R00329	CO	NC2018/0013821	37286	2017-06-15
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