

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI515415

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FG Innovation Company Limited	07/19/2024
RECEIVING PARTY DATA	
Company Name:	SHARP KABUSHIKI KAISHA
Street Address:	1, Takumi-cho, Sakai-ku
City:	Sakai-Shi, Osaka
State/Country:	JAPAN
Postal Code:	590-8522
PROPERTY NUMBERS Total: 50	
Property Type	Number
Application Number:	17994216
Application Number:	17704389
Application Number:	17879344
Application Number:	17910516
Application Number:	18079746
Application Number:	17583827
Application Number:	18281055
Application Number:	17881190
Application Number:	17620297
Application Number:	17794412
Application Number:	17774647
Application Number:	17976746
Application Number:	17966160
Application Number:	17555517
Application Number:	18033301
Application Number:	17630009
Application Number:	18293555
Application Number:	17628399
Application Number:	17709400
Application Number:	17968774

PATENT

Property Type	Number
Application Number:	17791388
Application Number:	17791381
Application Number:	17800383
Application Number:	18444603
Application Number:	18282064
Application Number:	17507165
Application Number:	18724895
Application Number:	18662115
Application Number:	18010043
Application Number:	17882154
Application Number:	17626646
Application Number:	17708488
Application Number:	17470323
Application Number:	17882142
Application Number:	17966147
Application Number:	17635158
Application Number:	17630005
Application Number:	18294430
Application Number:	17847945
Application Number:	17704396
Application Number:	18300370
Application Number:	17716300
Application Number:	18697590
Application Number:	17555523
Application Number:	18015129
Application Number:	18374163
Application Number:	18444606
Application Number:	17689347
Application Number:	17149031
Application Number:	17800778

CORRESPONDENCE DATA

Fax Number: 2134261788

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: (213)426-1771

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Correspondent Name: Calvin H Chai

Address Line 1: 550 S. Hope Street, Suite 2825

Address Line 4: Los Angeles, CALIFORNIA 90071

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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (this "Agreement") coming into force upon July 19, 2024 (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").

WITNESSETH:

WHEREAS, Assignor own the patents and patent applications identified on the Schedule 1 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, all 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.



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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 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.

[Signature page follows]



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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: Jung Yi Lin
Name: Jung Yi Lin
Title: Chairman, FG Innovation Company Limited

Assignee:

By: Mototaka Taneya
Name: Mototaka Taneya
Title: Senior Executive Managing Officer
Chief Technical Officer
Head of Next Innovation Group
Sharp Kabushiki Kaisha
(also known as Sharp Corporation)



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Schedule 1: List of the Assigned Patents (5G FGI Patents)

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
1	83062	CN	201780031870.7	CN109565905B	2037/05/23
1	83062	EP	EP17802146.5		2022/02/28
1	83062	US	62/339967		
1	83062	US	15/602938	10568136	2023/05/26
1	83062	WO	PCT/CN2017/085523		
2	83793	US	62/377193		
3	84920	US	62/398702		
4	85450	US	62/405593		
4	85450	US	15/726682		2019/02/25
5	88020	CN	201880006123.2	CN110419231B	2038/01/05
5	88020	EP	EP18736706.5		2023/09/28
5	88020	ID	PID201903701		
5	88020	MX	MX/a/2019/008035	MX402933B	2038/01/05
5	88020	US	62/442807		
5	88020	US	15/863033	US11265829B2	2038/01/05
5	88020	VN	1-2019-04196	VN10037861B	2038/01/05
5	88020	WO	PCT/CN2018/071532		
6	88023	CN	201780079249.8	CN110622564B	2037/12/21
6	88023	EP	EP17884026.0		2022/10/25
6	88023	US	62/437200		
6	88023	US	15/849808	US10638373B2	2037/12/21
6	88023	WO	PCT/CN2017/117716		
7	88156	US	62/446496		
7	88156	US	15/871127	US10524246B2	2038/01/24
7	88156	US	16/676322		2020/11/10
8	90311	US	62/456745		
8	90311	US	15/893386		2019/09/24
9	90840	CN	201880021281.5	CN110832927B	2038/03/30
9	90840	DE	18780460.4	602018058738.1	2038/03/30
9	90840	EP	EP18780460.4	EP3607792B1	2038/03/30
9	90840	FR	18780460.4	EP3607792B1	2038/03/30
9	90840	GB	18780460.4	EP3607792B1	2038/03/30
9	90840	ID	P00201909633		
9	90840	MX	MX/a/2019/011641		2023/06/13
9	90840	US	62/480515		
9	90840	US	15/942552	11665556	2038/04/01
9	90840	VN	1-2019-05699		
9	90840	WO	PCT/CN2018/081306		
10	97515	US	62/505946		
10	97515	US	15/978532	11212701	2038/08/15
11	106698	CN	201880034589.3	CN110679179B	2038/06/01
11	106698	EP	EP18809460.1		



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No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
11	106698	US	62/514200		
11	106698	US	15/996401	11240720	2038/06/01
11	106698	US	17/554214	11838820	2038/06/01
11	106698	WO	PCT/CN2018/089629		
12	106724	US	62/519392		
12	106724	US	16/008356	US10993128B2	2039/04/06
12	106724	WO	PCT/CN2018/091365		
13	106890	US	62/517196		
13	106890	US	16/001911	US10749920B2	2038/12/27
13	106890	WO	PCT/CN2018/090305		
14	107748	CN	201880039830.1	CN110771082B	2038/06/22
14	107748	EP	EP18821471.2		
14	107748	US	62/523367		
14	107748	US	16/015229	US10728878B2	2038/06/22
14	107748	US	16/900808		2022/06/21
14	107748	US	17/867002	11838897	2038/06/22
14	107748	WO	PCT/CN2018/092417		
15	107881	CN	201880046071.1	CN111096012B	2038/07/13
15	107881	EP	EP18832307.5		
15	107881	US	62/532582		
15	107881	US	16/034795	US10623209B2	2038/07/13
15	107881	US	16/805095	US11128495B2	2038/07/13
15	107881	WO	PCT/CN2018/095634		
16	108088	US	62/533300		
16	108088	US	16/036961		2019/09/16
16	108088	WO	PCT/CN2018/095925		
17	108091	US	62/536549		
17	108091	US	16/044527	US10820271B2	2038/07/25
18	109484	CN	201880064359.1	CN111567094B	2038/10/05
18	109484	DE	18864280.5	602018040154.7	2038/10/05
18	109484	EP	EP18864280.5	EP3692744B1	2038/10/05
18	109484	EP	EP22186358.2		2023/05/23
18	109484	EP	EP23177619.6		
18	109484	FR	18864280.5	EP3692744B1	2038/10/05
18	109484	GB	18864280.5	EP3692744B1	2038/10/05
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18	109484	IT	18864280.5	502022000073368	2038/10/05
18	109484	MX	MX/a/2020/003264		2023/06/23
18	109484	TR	18864280.5	2022/015264	2038/10/05
18	109484	TW	107135174	I701966	2038/10/04
18	109484	US	62/568900		
18	109484	US	16/153705	US11147078B2	2038/10/06
18	109484	US	17/469163		2023/05/01
18	109484	US	18/200783		
18	109484	VN	1-2020-02500		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
18	109484	WO	PCT/CN2018/109249		
19	109756	CN	201880063807.6	CN111165020B	2038/10/06
19	109756	EP	EP18864568.3		
19	109756	ID	P00202002120		
19	109756	MX	MX/a/2020/003263		2023/08/29
19	109756	TW	107135406	I701957	2038/10/07
19	109756	US	62/568885		
19	109756	US	16/153748	US10849052B2	2038/10/06
19	109756	US	17/070389	11523330	2038/10/06
19	109756	VN	1-2020-01918	VN10037504B	2038/10/06
19	109756	WO	PCT/CN2018/109251		
20	109798	CN	201980007739.6	CN111567093B	2039/01/11
20	109798	DE	19738004.1	602019043591.6	2039/01/11
20	109798	EP	EP19738004.1	EP3738347B1	2039/01/11
20	109798	FR	19738004.1	EP3738347B1	2039/01/11
20	109798	GB	19738004.1	EP3738347B1	2039/01/11
20	109798	IN	202047033638	538376	2039/01/11
20	109798	JP	特願 2020-538554		2021/09/10
20	109798	JP	特願 2021-163015	特許 7325485	2039/01/11
20	109798	KR	10-2020-7022130	KR102329591B1	2039/01/11
20	109798	US	62/616785		
20	109798	US	16/246056	11272417	2039/01/11
20	109798	US	17/583827		
20	109798	WO	PCT/CN2019/071282		
21	109871	US	62/581851		
21	109871	US	16/181368	10728778	2023/09/21
22	110048	CN	201880068409.3	CN111316706B	2038/11/14
22	110048	DE	18877460.8	602018038590.8	2038/11/14
22	110048	EP	EP18877460.8	EP3711371B1	2038/11/14
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22	110048	JP	特願 2020-526513	特許 7146915	2038/11/14
22	110048	KR	10-2020-7014196	KR102386153B1	2038/11/14
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22	110048	US	16/190502	US10728909B2	2038/11/14
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22	110048	VN	1-2020-02664		
22	110048	WO	PCT/CN2018/115424		
23	110460	CN	201880068549.0	CN111357387B	2038/11/23
23	110460	DE	18880877.8	602018045616.3	2038/11/23
23	110460	EP	EP18880877.8	EP3718370B1	2038/11/23



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23	110460	EP	EP22203919.0		
23	110460	FR	18880877.8	EP3718370B1	2038/11/23
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23	110460	KR	10-2020-7015649	KR102341704B1	2038/11/23
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23	110460	US	16/198795	US11032866B2	2038/11/23
23	110460	US	17/227362	12028925	2039/11/29
23	110460	VN	1-2020-03173		
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24	110461	CN	201880074120.2	CN111345103B	2038/11/22
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24	110461	VN	1-2020-03093		
24	110461	WO	PCT/CN2018/117044		
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25	110462	DE	18881402.4	602018045617.1	2038/11/13
25	110462	DK	18881402.4	EP3714650B1	2038/11/13
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25	110462	IN	202047025682	519356	2038/11/13
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25	110462	KR	10-2020-7015064	KR102366648B1	2038/11/13
25	110462	MX	MX/a/2020/004754		2023/08/29
25	110462	TW	107140291	I672958	2038/11/12
25	110462	US	62/590382		
25	110462	US	16/190159	US11006362B2	2038/12/15
25	110462	US	17/212379	11564168	2038/12/15
25	110462	VN	1-2020-02890		
25	110462	WO	PCT/CN2018/115276		
26	110463	CN	201880072448.0	CN111386745B	2038/11/23
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26	110463	DE	18880739.0	602018043490.9	2038/11/23
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26	110463	MX	MX/a/2020/004751		2023/08/29
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26	110463	VN	1-2020-02984		2023/10/26
26	110463	WO	PCT/CN2018/117174		
27	111760	CN	201980007291.8	CN111566970B	2039/01/09
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27	111760	ID	P00202004588		2023/09/26
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27	111760	NL	19738851.5	EP3738249B1	2039/01/09
27	111760	SE	19738851.5	EP3738249B1	2039/01/09
27	111760	TW	108100916	I691181	2039/01/08
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72	120520	US	62/791198		2019/10/17
73	120618	US	62/793478		
73	120618	US	16/744964	11197189	2040/02/15
74	120673	CN	202080009737.3	CN113316914B	2040/01/16
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74	120673	US	16/745360	11265964	2040/02/22
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75	120777	US	16/751784	US11064538B2	2040/03/05
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77	120896	US	62/799859		2019/11/08
78	120913	US	62/805463		2019/12/03
79	120917	CN	202080014546.6	CN113424570B	2040/02/14
79	120917	EP	EP20756570.6	EP3925266B1	2040/02/14
79	120917	GB	20756570.6	EP3925266B1	2040/02/14
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83	121519	US	62/823101		2020/01/06
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272	142143	US	63/166124		
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273	142145	CN	202210356176.5	CN115134888B	2042/03/25
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553	17R01314	AT	18762209.7	EP3666001B1	2038/08/08
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