

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KWEI CHUNG LI	08/31/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GAIN SEMICONDUCTOR, INC.
<b>Street Address:</b>	251 LITTLE FALLS DRIVE
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	18236066
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	50VF-378217
<b>NAME OF SUBMITTER:</b>	RICHARD A. DUNNING, JR.
<b>SIGNATURE:</b>	/Richard A. Dunning, Jr./
<b>DATE SIGNED:</b>	08/21/2023
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
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**COMBINED DECLARATION AND ASSIGNMENT OF INVENTION  
(ORIGINAL, NATIONAL STAGE OF PCT, CONTINUATION, OR C-IP)**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**A METHOD OF STARTING A SYNCHRONOUS MOTOR AND A CONTROLLER THEREFOR**

The above-identified application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

The application of which is  
\_\_\_ attached hereto

OR

\_\_\_ was filed on \_\_\_\_\_ as United States Application No. \_\_\_\_\_ and was amended on \_\_\_\_\_ by way of preliminary amendment.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

**PRIORITY CLAIM (35 U.S.C. §§ 119(a)-(d), (f) 172, and 365(a) and (b))**

I hereby claim foreign priority benefits under Title 35, United States Code, §§ 119(a)-(d) or 365 (a)-(b) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Such applications have been filed as follows.

**PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d); §365 (a)-(c)**

INDICATE IF PCT	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED

**POWER OF ATTORNEY**

I hereby appoint the practitioner(s) associated with Customer Number 28,827 to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**AUTHORIZATION OF ATTORNEY(S) TO ACCEPT AND FOLLOW INSTRUCTIONS FROM REPRESENTATIVE**

The undersigned to this declaration and power of practitioner hereby authorizes the U.S. practitioner(s) named herein to accept and follow instructions from:

InCompass IP  
532B, 5th Floor, Core Building 2, Phase One  
1 Science Park West Avenue  
Pak Shek Kok, New Territories  
Hong Kong

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. practitioner(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. practitioner(s) will be so notified by the undersigned.

**SEND CORRESPONDENCE TO**

**DIRECT TELEPHONE CALLS TO:**

**Address Associated With  
Customer No. 28,827**  
Gable Gotwals  
110 N. Elgin Ave., Ste. 200  
Tulsa, Oklahoma 74120

Paul E. Rossler  
918-595-4963

ASSIGNMENT OF INVENTION

WHEREAS, LI, KWEI CHUNG, (a citizen of Hong Kong) residing at Flat F, 27/F, Block S, Aqua Marine, Cheung Sha Wan, Kowloon, Hong Kong, is the inventor (hereinafter referred to as ASSIGNOR) of certain new and useful improvements in

**A METHOD OF STARTING A SYNCHRONOUS MOTOR AND A CONTROLLER THEREFOR**

WHEREAS, ASSIGNOR is now the exclusive owner of said application and the INVENTION described and claimed therein, and all rights in, to and under the same; and

WHEREAS, GAIN SEMICONDUCTOR, INC., a corporation created and existing under the laws of the United States, whose address is 251 Little Falls Drive, City of Wilmington, New Castle County, Delaware, 19808, United States (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the aforementioned application and INVENTION and in, to and under any and all Letters Patent of the United States and in any and all foreign countries thereof,

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR has sold, assigned, transferred and set over and does hereby sell, assign, transfer and set over to the said ASSIGNEE, the said INVENTION and application, and any and all divisions and continuations thereof, and any and all Letters Patent of the United States, its territorial possessions, and any and all foreign countries which may be granted therefore, and any and all reissues and reexaminations of said Letters Patent, including the subject matter of any and all claims which may be obtained in every such patent, the same to be held and enjoyed by the said ASSIGNEE for its own use and behoof, and for the use and behoof of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States, territories and foreign countries are or may be granted, reissued, or reexamined as fully and entirely as same would have been held and enjoyed by ASSIGNOR, as if this assignment and sale had not been made.

AND, ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States on said INVENTION, or resulting from said application, and from any and all divisions and continuations thereof to the said ASSIGNEE, of the entire interest, and hereby covenants that he has full right to convey the entire interest therein assigned, and that he has not executed and will not execute any agreement in conflict therewith.

AND, ASSIGNOR further hereby covenants and agrees that he will, at any time, upon request, at the expense of said ASSIGNEE, execute and deliver any and all papers that may be necessary or desirable to perfect the title to said INVENTION, and to said Letters Patent as may be granted therefore, in said ASSIGNEE, its successors, assigns, or other legal representatives, and that if said ASSIGNEE, its successors, assigns, or other legal representatives shall desire to file any divisional or continuation application, or to secure a reissue or reexamination of such Letters Patent, or to file a disclaimer relating thereto, will, upon request, sign all papers, make all rightful oaths, and do all acts requisite for the filing of such divisional or continuing application, or such application for reissue or reexamination and procuring thereof, and for the filing of such disclaimers, without further compensation, but at the expense of said ASSIGNEE, its successors or other legal representatives.

AND, ASSIGNOR does further covenant and agree, that he will, at any time, upon request, communicate to said ASSIGNEE, its successors, assigns, or other legal representatives, at its expense, such facts relating to said INVENTION and Letters Patent or the history thereof, as may be known to them, and testify as to the same in any interference or other litigation, when requested to do so.

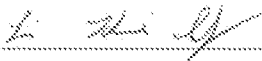
IN WITNESS WHEREOF, I have hereunto set my hands upon the day of signing as noted below:

SIGNATURE

Named Inventor:

LI, KWEI CHUNG

Inventor's signature

  
.....

Date

*Aug 31, 2021*  
.....

Country of Citizenship:

Hong Kong

Residence

Cheung Sha Wan, Kowloon, Hong Kong

Post Office Address

Flat F, 27/F, Block 5, Aqua Marine

Cheung Sha Wan, Kowloon, Hong Kong