

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NING ZHANG	01/06/2020
ZHILI WANG	01/06/2020
RECEIVING PARTY DATA	
Name:	SHANGHAI HUALI MICROELECTRONICS CORPORATION
Street Address:	NO. 6 LIANGTENG ROAD
Internal Address:	PUDONG NEW AREA
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	201314
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16789550
CORRESPONDENCE DATA	
Fax Number:	(312)463-5001
<i>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.</i>	
Phone:	(312) 463-5000
Email:	bwptopat@bannerwitcoff.com, bodom@bannerwitcoff.com
Correspondent Name:	BANNER & WITCOFF, LTD.
Address Line 1:	71 SOUTH WACKER DRIVE
Address Line 2:	SUITE 3600
Address Line 4:	CHICAGO, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	009196.00013
NAME OF SUBMITTER:	W GARLAND PHILLIPS
SIGNATURE:	/W Garland Phillips/
DATE SIGNED:	02/13/2020
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, I/we **Ning ZHANG** and **Zhili WANG** (ASSIGNORS), am/are the inventors of certain inventions and improvements described in a U.S. patent application and having the title

VOLTAGE-CONTROLLED OSCILLATOR CIRCUIT AND PHASE-LOCKED LOOP CIRCUIT

which application was filed on _____ and assigned Application No. _____; and

WHEREAS,

Shanghai Huali Microelectronics Corporation
No.6 Liangteng Road,Pudong New Area,Shanghai,China,201314

(ASSIGNEE) desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged,

I/we hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And I/we covenant that we have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement or do anything in conflict herewith;

And I/we further covenant and agree that I will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

LAW OFFICES
BANNER & WITCOFF, LTD
71 South Wacker Drive, Suite 3600, Chicago, IL 60606
312-463-5000

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And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And I/we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to further identify the patent application to which this assignment pertains, including the filing date and assigned application number.

2020/1/6
Date

张宁
Ning ZHANG

2020/1/6
Date

王志利
Zhili WANG