

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8232308

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
UNITED MICROELECTRONICS CORPORATION	10/13/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	MARLIN SEMICONDUCTOR LIMITED
<b>Street Address:</b>	BLANCHARDSTOWN CORPORATE PARK 2
<b>Internal Address:</b>	PLAZA 255, SUITE 2A
<b>City:</b>	DUBLIN
<b>State/Country:</b>	IRELAND
<b>Postal Code:</b>	D15 YH6H

**PROPERTY NUMBERS Total: 15**

Property Type	Number
Patent Number:	8546863
Patent Number:	7960838
Patent Number:	7696086
Patent Number:	8993384
Patent Number:	9318609
Patent Number:	7714374
Patent Number:	9263134
Patent Number:	8198151
Patent Number:	7838366
Patent Number:	7524742
Patent Number:	7365009
Patent Number:	8076207
Patent Number:	8278762
Patent Number:	8338960
Patent Number:	7617475

**CORRESPONDENCE DATA**

Fax Number:

TSMC Exhibit 1053

Page 1 of 7

*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.*

**PATENT**

**Phone:** 6136899983  
**Email:** docketing@longitudelicensing.ie  
**Correspondent Name:** LONGITUDE LICENSING LIMITED  
**Address Line 1:** BLANCHARDSTOWN CORPORATE PARK 2  
**Address Line 2:** PLAZA 255, SUITE 2A  
**Address Line 4:** DUBLIN, IRELAND D15 YH6H

**ATTORNEY DOCKET NUMBER:** MSL - BOLT ON #1

**NAME OF SUBMITTER:** RONAN O'BYRNE

**SIGNATURE:** /Ronan O'Byrne/

**DATE SIGNED:** 10/20/2023

**Total Attachments: 5**

source=2023-09-25 - Assignment - UMC to MSL - Bolt on #1#page1.tif

source=2023-09-25 - Assignment - UMC to MSL - Bolt on #1#page2.tif

source=2023-09-25 - Assignment - UMC to MSL - Bolt on #1#page3.tif

source=2023-09-25 - Assignment - UMC to MSL - Bolt on #1#page4.tif

source=2023-09-25 - Assignment - UMC to MSL - Bolt on #1#page5.tif

EXHIBIT A  
FORM OF ASSIGNMENT  
ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, United Microelectronics Corporation, a Taiwanese corporation, ("Assignor"), having a place of business at No. 3, Li-Hsin 2nd Road, Hsinchu Science Park, Hsinchu, Taiwan, R.O.C., hereby irrevocably assigns, sells, transfers, and conveys to Marlin Semiconductor Limited., a company organized and existing under the laws of Ireland ("Assignee"), having a place of business at Plaza 255 Suite 2A, Blanchardstown Corporate Park 2, Dublin D15 YH6H, Ireland, all rights, title and interest that exist as of September 25, 2023 and may exist in the future in and to any of the following (collectively, the "*Patent Rights*"):

(a) the patent applications and patents listed in the attached Appendix I (collectively, the "*Assigned Assets*"), including all rights of priority;

(b) all patents, divisionals, continuations, continuations-in-part, continued prosecution applications, provisional applications, requests for continuing examinations, reissues, reexaminations and extensions thereof and all pending applications therefor, and any other patent or patent application related to such patent or patent application by claim of direct or indirect priority or terminal disclaimer, and all pending applications therefor, and any patents resulting therefrom for all Assigned Assets in (a) above;

(c) all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories by claim of direct or indirect priority or terminal disclaimer (a) and (b), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(d) all items in any of the foregoing categories (a) through (c), whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(f) all claims and causes of action (whether known or unknown or whether currently pending, filed, or otherwise) for damages, injunctive relief, and any other remedies of any kind, accounting and information, and other secondary claims arising out of the past, current, and future infringement of the Assigned Assets and/or any item in any of the foregoing categories (b) through (e) by third parties which have accrued with Assignor or to which Assignor otherwise holds title; and

(g) all rights to collect royalties and other payments under or on account of any of the Assigned Assets and/or any item in any of the foregoing categories (b) through (f).

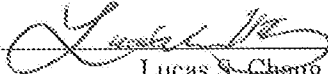
Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances which may be granted upon any of the Assigned Assets in the name of Assignee, as the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

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

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

IN WITNESS WHEREOF, Assignor has caused its duly authorized representative to execute this assignment.

United Microelectronics Corporation

By:   
Name: Lucas S. Chang  
Title: Sr. Vice President and General Counsel  
Date: October 13, 2023

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Lucas S. Chang to the above ASSIGNMENT on behalf of United Microelectronics Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.
2. Lucas S. Chang is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Oct 13, 2023 to execute the above assignment document on behalf of United Microelectronics Corporation.
3. Lucas S. Chang executed the above assignment on behalf of United Microelectronics Corporation.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

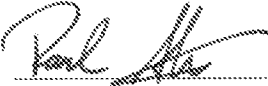
EXECUTED on Oct. 13, 2023

Signature:   
Print Name: Brian H.H. Shih

Assignee hereby declares the acceptance of the assignment of Patent Rights.

ASSIGNEE:

Marlin Semiconductor Limited

By:   
Name: Paul Abern  
Title: Director

APPENDIX I

PATENTS

Publication Number	Country	Application Number	File Date	Publication Date
US8546863	US	US12/594673	4/17/2008	10/1/2013
US7960838	US	US11/164333	11/18/2005	6/14/2011
US7696086	US	US11/309201	7/13/2006	4/13/2010
TWI267970	TW	TW094141091	11/23/2005	12/1/2008
US8993384	US	US13/913511	6/9/2013	3/31/2015
US9318609	US	US14/620209	2/12/2015	4/19/2016
CN104241360B	CN	CN201310252818.8	6/24/2013	7/23/2019
US7714374	US	US11/939720	11/14/2007	5/11/2010
US9263134	US	US14/215091	3/17/2014	2/16/2016
US8198151	US	US12/890725	9/27/2010	6/12/2012
US7838366	US	US12/101180	4/11/2008	11/23/2010
CN101567335B	CN	CN200810095460.1	4/23/2008	6/29/2011
US7524742	US	US11/748472	5/14/2007	4/28/2009
US7365009	US	US11/306590	1/4/2006	4/29/2008
TWI291215	TW	TW095100369	1/4/2006	12/11/2007
CN100514596C	CN	CN200610005188.4	1/13/2006	7/15/2009
US8076207	US	US12/502235	7/14/2009	12/13/2011
TWI471915	TW	TW098123313	7/10/2009	2/1/2015
SG168426	SG	SG200904838-0	7/16/2009	7/31/2012
US8278762	US	US12/568027	9/28/2009	10/2/2012
US8338960	US	US13/437575	4/2/2012	12/25/2012
US7617475	US	US11/559107	11/13/2006	11/10/2009
TWI326388	TW	TW095142536	11/17/2006	6/21/2010
CN101191996B	CN	CN200610163192.3	11/29/2006	5/19/2010

[Remaining page intentionally left blank]