

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT8147865

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SUBMISSION UNDER MPEP 323.01(C) TO CORRECT ERRONEOUS RECORDATION OF ANOTHER PARTY'S ASSIGNMENT AGAINST PRESENT PATENT APPLICATION. SUBMISSION INCLUDES DECLARATION IDENTIFYING ERROR IN IMPROPERLY FILED AND RECORDED ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
UNITED MICROELECTRONICS CORP.	08/22/2023

RECEIVING PARTY DATA

Name:	UNITED MICROELECTRONICS CORP.
Street Address:	No.3, Li-Hsin Road 2, Science-Based Industrial Park
City:	Hsin-Chu City
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17981499

CORRESPONDENCE DATA**Fax Number:**

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: 3027291562
Email: Patent.admin.uspto.cr@naipo.com
Correspondent Name: WINSTON HSU
Address Line 1: 5F., NO.389, FUHE RD., YONGHE DIST.,
Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER:	NAUP3777USA3
NAME OF SUBMITTER:	VICKIE LEE
SIGNATURE:	/VICKIE LEE/
DATE SIGNED:	09/04/2023

Total Attachments: 19

source=NP072_SIGNED#page1.tif
 source=NP072_SIGNED#page2.tif
 source=NP072_SIGNED#page3.tif
 source=NP072_SIGNED#page4.tif

source=NP072_SIGNED#page5.tif
source=NP072_SIGNED#page6.tif
source=NP072_SIGNED#page7.tif
source=NP072_SIGNED#page8.tif
source=NP072_SIGNED#page9.tif
source=NP072_SIGNED#page10.tif
source=NP072_SIGNED#page11.tif
source=NP072_SIGNED#page12.tif
source=NP072_SIGNED#page13.tif
source=NP072_SIGNED#page14.tif
source=NP072_SIGNED#page15.tif
source=NP072_SIGNED#page16.tif
source=NP072_SIGNED#page17.tif
source=NP072_SIGNED#page18.tif
source=NP072_SIGNED#page19.tif

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor: Fu-Jung Chuang

App. No. : 17/981,499

Filing Date: 11-07-2022

Group Art Unit : 2812

Docket No.: NAUP3777USA3

Reel/Frame No.: 062863 / 0009

Title: SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

SUBMISSION UNDER MPEP 323.01(C)

Sirs:

The filing is made in order to correct an error made in a previously filed and recorded assignment that erroneously affects the identified application. Specifically, as noted in the accompanying Declaration of Brian Hh Shih, the assignment listing another party (PNC BANK, NATIONAL ASSOCIATION) as assignee of record were erroneously recorded against the subject patent application.

Pursuant to M.P.E.P. 323.01(c) the owner and assignee of the above identified application herewith submits:

- (1) the requested Cover Sheet;
- (2) a Declaration in which the Assignee identified itself as the correct owner and states that the previously recorded assignment (062863/0009) by PNC BANK, NATIONAL ASSOCIATION were submitted with erroneous information;

Due recordation of this requested is respectfully requested.

Sincerely yours,

/Winston Hsu/

Date: 09/01/2023

Winston Hsu, Patent Agent No. 41,526

5F., No.389, Fuhe Rd., Yonghe Dist., New Taipei City, Taiwan.

Voice Mail: 302-729-1562

e-mail : winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 13 hours behind the Taiwan time and DST 12 hours behind.)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor: Fu-Jung Chuang

App. No. : 17/981,499

Filing Date: 11-07-2022

Group Art Unit : 2812

Docket No.: NAUP3777USA3

Reel/Frame No.: 062863/0009

Title: SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING
THE SAME

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

**DECLARATION IDENTIFYING ERROR IN IMPROPERLY FILED AND
RECORDED ASSIGNMENT**

I, Brian Hh Shih (whose title is supplied below), and duly authorized to act on behalf of UNITED MICROELECTRONICS CORP., and make this statement in support of Assignee's Submission under M.P.E.P. 323.01(c) to correct an error in the chain of title caused by an improperly filed and recorded assignment recorded by another person against the owner's U.S. Patent Application. The erroneous previously recorded document was recorded as follows:

Reel/Frame	Recordation Date
062863/0009	03/02/2023

The forgoing assignment list a party (PNC BANK, NATIONAL ASSOCIATION) other than the owner as assignee of record. The assignment was erroneously recorded against the above-identified patent application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false

statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the applications or any patent issued thereon.

Name: Min Shih

Title: Intellectual Property Division Manager

Date: 2023.8.22

Joy Lai(賴嫻羲)

寄件者: postmaster@hklaw.onmicrosoft.com
收件者: alyssa.mcleod@hklaw.com
寄件日期: 2023年8月25日星期五 上午 10:08
主旨: 已傳遞: Notification of wrong assignment recordation of application number 17/981,499

已將您的郵件傳遞給下列收件者:

alyssa.mcleod@hklaw.com
主旨: Notification of wrong assignment recordation of application number 17/981,499

Joy Lai(賴嫻羲)

寄件者: postmaster@hklaw.onmicrosoft.com
收件者: susan.dinicola@hklaw.com
寄件日期: 2023年8月25日星期五 上午 10:08
主旨: 已傳遞: Notification of wrong assignment recordation of application number 17/981,499

已將您的郵件傳遞給下列收件者:

susan.dinicola@hklaw.com
主旨: Notification of wrong assignment recordation of application number 17/981,499

Joy Lai(賴嫻羲)

寄件者: Werner Chiu(邱英武)
寄件日期: 2023年8月25日星期五 上午 10:07
收件者: susan.dinicola@hkklaw.com; alyssa.mcleod@hkklaw.com
副本: Brenda Lin(林秋萍); Alex Liang(梁佳瑜)
主旨: Notification of wrong assignment recordation of application number 17/981,499
附件: 202308251-Notification of wrong assignment recordation-17981499.pdf

重要性: 高

Dear Sirs:

Here is the notification about the **wrong assignment recordation of application number 17/981,499.**
Please see the attached document and correct it ASAP.

Werner on behalf of Winston Hsu

8 25,2023

Best Regards,

North America Intellectual Property Corp.

5F., No.389, Fuhe Rd., Yonghe Dist., New Taipei City 234, Taiwan (R.O.C.)

E-Mail:cs@naipo.com Tel.:+886-2-8923-7350 Fax:+886-2-8923-

7390_PVIGOSign[NPCNL][NPCCSASSB][NPCCSASST][NPCCASSEN][NPCSP][NPCCSASSEXTT][NPCCSASEXT][NP
CFE][NPCNL][NPCNL]PVIGOSign_

(NAIP Website) <http://en.naipo.com/>

(PVIGO e-Services) <https://www.pvigo.com/?strEnc=en-US>

The information in this e-mail and attachments is confidential. It is intended only for the recipient. Any disclosure, copying, distribution, use of or reliance on, or access to the information by or to anyone other than the recipient is unauthorized and prohibited. If you have received this e-mail in error, please notify us immediately by returning it to the sender and delete this copy from your system.

North America Intellectual Property Corp.

5F., No.389, Fuhe Rd., Yonghe Dist.,

New Taipei City 234, Taiwan(R.O.C.)

Telephone : +886-2-8923-7350

Fax : +886-2-8923-7390

<http://en.naipo.com/>

25 August 2023

Ms. Susan C. DiNicola
HOLLAND & KNIGHT LLP
10 ST. JAMES AVENUE
BOSTON, MA 02116

Dear Ms. Susan C. DiNicola,

Good day. We noticed that you recorded on 03/02/2023 an assignment in the USPTO at reel/frame 062863/0009 against our client's U.S. application no. 17/981,499 which was an mistake. Your target application we believe could have been U.S. application Title of invention is METHOD FOR INCREASING WELL PRODUCTIVITY IN HYDRAULICALLY FRACTURED RESERVOIRS, date of application was November 6, 2022.

As it sets forth in MPEP 323.01(c), "the owner should contact the party who recorded the papers with the erroneous information and request that such party record corrective papers." We hereby amicably request that you help correct the error.

Since our client's U.S. application no. 17/981,499 was allowed on 06-12-2023 and, pursuant to 37 CFR 1.46(e), the USPTO shall be notified of any change in the real party in interest no later than payment of the issue fee, kindly record corrective papers at your earliest convenience. We thank you in advance.

Sincerely,



Date: 8/25/2023

Winston Hsu, Patent Agent No. 41,526

5F., No.389, Fuhe Rd., Yonghe Dist., New Taipei City, Taiwan

Voice Mail: 302-729-1562

Facsimile: 806-498-6673

e-mail: winstonhsu@naipo.com

Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C. is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)

Joy Lai(賴嫻羲)

寄件者: DiNicola, Susan C (BOS - X72158) <susan.dinicola@hklaw.com>
寄件日期: 2023年8月25日星期五 上午 10:10
收件者: Werner Chiu(邱英武); McLeod, Alyssa (DAL - X59499)
副本: Brenda Lin(林秋萍); Alex Liang(梁佳瑜)
主旨: RE: Notification of wrong assignment recordation of application number 17/981,499

Dear Colleagues: thank you for your communication below. I will take a look and return back to you.

Best regards,

Susan

Susan DiNicola | Holland & Knight

Paralegal

Holland & Knight LLP

10 St. James Avenue, 11th Floor | Boston, Massachusetts 02116

Phone 617.305.2158 | Fax 617.523.6850

susan.dinicola@hklaw.com | www.hklaw.com

From: Werner Chiu(邱英武)

Sent: Thursday, August 24, 2023 10:07 PM

To: DiNicola, Susan C (BOS - X72158) ; McLeod, Alyssa (DAL - X59499)

Cc: Brenda Lin(林秋萍) ; Alex Liang(梁佳瑜)

Subject: Notification of wrong assignment recordation of application number 17/981,499

Importance: High

[External email]

Dear Sirs:

Here is the notification about the **wrong assignment recordation of application number 17/981,499.**
Please see the attached document and correct it ASAP.

Werner on behalf of Winston Hsu

8/25/2023

Best Regards,

North America Intellectual Property Corp.

5F., No.389, Fuhe Rd., Yonghe Dist., New Taipei City 234, Taiwan (R.O.C.)

E-Mail:cs@naipo.com Tel.:+886-2-8923-7350

Fax:+886-2-8923-7390_PVIGOSign[NPCNL][NPCCSASSB][NPCCSASST][NPCCSASSEN][NPCSP][NPCCSASSEXT
T][NPCCSASSEXT][NPCFE][NPCNL][NPCNL]PVIGOSign_

(NAIP Website) <http://en.naipo.com/>

(PVIGO e-Services) <https://www.pvigo.com/?strEnc=en-US>

The information in this e-mail and attachments is confidential. It is intended only for the recipient. Any disclosure, copying, distribution, use of or reliance on, or access to the information by or to anyone other than the recipient is unauthorized and prohibited. If you have received this e-mail in error, please notify us immediately by returning it to the sender and delete this copy from your system.

NOTE: This e-mail is from a law firm, Holland & Knight LLP ("H&K"), and is intended solely for the use of the individual(s) to whom it is addressed. If you believe you received this e-mail in error, please notify the sender immediately, delete the e-mail from your computer and do not copy or disclose it to anyone else. If you are not an existing client of H&K, do not construe anything in this e-mail to make you a client unless it contains a specific statement to that effect and do not disclose anything to H&K in reply that you expect it to hold in confidence. If you properly received this e-mail as a client, co-counsel or retained expert of H&K, you should maintain its contents in confidence in order to preserve the attorney-client or work product privilege that may be available to protect confidentiality.

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7825580

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
IMPERATIVE CHEMICAL PARTNERS, INC.	03/02/2023
RECEIVING PARTY DATA	
Name:	PNC BANK, NATIONAL ASSOCIATION
Street Address:	500 FIRST AVENUE
City:	PITTSBURG
State/Country:	PENNSYLVANIA
Postal Code:	15219
PROPERTY NUMBERS Total: 10	
Property Type	Number
Patent Number:	11175209
Patent Number:	11060364
Patent Number:	11092586
Patent Number:	11549322
Application Number:	18077433
Application Number:	17539973
Application Number:	17526745
Application Number:	17502857
Application Number:	17375775
Application Number:	17981499
CORRESPONDENCE DATA	
Fax Number:	(617)523-6850
<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:	617-523-2700
Email:	susan.dinicola@hklaw.com,alyssa.mcleod@hklaw.com
Correspondent Name:	HOLLAND & KNIGHT LLP
Address Line 1:	10 ST. JAMES AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02116
ATTORNEY DOCKET NUMBER:	057833.00130

NAME OF SUBMITTER:	SUSAN C. DINICOLA
SIGNATURE:	/Susan C. DiNicola/
DATE SIGNED:	03/02/2023
Total Attachments: 6 source=Imperative Intellectual Property Security Agreement#page1.tif source=Imperative Intellectual Property Security Agreement#page2.tif source=Imperative Intellectual Property Security Agreement#page3.tif source=Imperative Intellectual Property Security Agreement#page4.tif source=Imperative Intellectual Property Security Agreement#page5.tif source=Imperative Intellectual Property Security Agreement#page6.tif	

GRANT OF A SECURITY INTEREST – PATENTS & TRADEMARKS

March 2, 2023

WHEREAS, IMPERATIVE CHEMICAL PARTNERS, INC., a Delaware corporation (the “Grantor”) has adopted, used and is using, and holds all right, title and interest in and to, the trademarks and service marks listed on the attached Schedule A, which trademarks and service marks are registered or applied for in the United States Patent and Trademark Office (the “Trademarks”) and holds all right, title and interest in the letter patents, design patents and utility patents listed on the attached Schedule B, which patents are issued or applied for in the United States Patent and Trademark Office (the “Patents”);

WHEREAS, the Grantor has entered into that certain Revolving Credit and Security Agreement, dated as of March 8, 2019 (as amended, restated, amended and restated, extended, joined, supplemented or otherwise modified from time to time, the “Credit Agreement”), by and among Grantor, ICT INVESTOR CORP., a Delaware corporation (“ICT”), IMPACT! CHEMICAL TECHNOLOGIES, INC., a Texas corporation (“Impact”), FLOCAP INJECTION SERVICES LLC, a Texas limited liability company (“FloCap”), IMPERATIVE ACID SERVICES, LLC, a Delaware limited liability company (“Imperative Acid”), DESERT DOWNHOLE TOOLS, LLC, a Texas limited liability company (“Desert Downhole”), REFINERY SPECIALTIES, INCORPORATED, a Texas corporation (“Refinery Specialties”, and together with Grantor, ICT, Impact, FloCap, Imperative Acid, Desert Downhole and each Person joined thereto as a borrower from time to time, collectively, the “Borrowers”, and each a “Borrower”), IMPERATIVE HOLDINGS CORPORATION, a Delaware corporation (“Intermediate Holdings”), ICT REAL ESTATE HOLDINGS, LLC, a Delaware corporation (“ICT Real Estate”), SELECT CHEMICALS, LLC, a Texas limited liability company (“Select Chemicals”), ESCUDERO CHEMICALS, LLC, a Texas limited liability company (“Escudero” and together with Intermediate Holdings, ICT Real Estate, Select Chemicals and each Person joined thereto as a guarantor from time to time, collectively, the “Guarantors”, and each a “Guarantor”), the financial institutions which are now or which thereafter become a party thereto (collectively, the “Lenders” and each individually a “Lender”) and PNC BANK, NATIONAL ASSOCIATION (“PNC”), as agent for Lenders (PNC, in such capacity, together with its successors and assigns in such capacity, the “Grantee”); and

WHEREAS, pursuant to the Credit Agreement, the Grantor has granted to the Grantee a continuing security interest in all right, title and interest of the Grantor in, to and under the Trademarks and Patents, together with, among other things, the goodwill of the business symbolized by the Trademarks and Patents and the applications and registrations thereof, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof and any and all damages arising from past, present and future violations thereof (the “Collateral”), to secure the payment, performance and observance of the Obligations (as defined in the Credit Agreement).

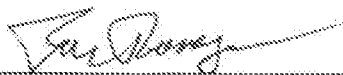
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor does hereby grant to the Grantee a continuing security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.

The Grantor does hereby further acknowledge and affirm that the rights and remedies of the Grantee with respect to the Collateral are more fully set forth in the Credit Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

[SIGNATURE PAGE FOLLOWS.]

IN WITNESS WHEREOF, the Grantor has caused this agreement to be duly executed by its officer thereunto duly authorized as of the date first written above.

IMPERATIVE CHEMICAL PARTNERS, INC.

By: 
Name: Ron Thomason
Title: Chief Financial Officer

SCHEDULE A TO GRANT OF A SECURITY INTEREST
Trademark Registrations and Applications

<u>Trademark</u>	<u>Number</u>	<u>Date</u>	<u>Country</u>
Imperative Chemical Partners	90/594400	March 22, 2021	US
Imperative Chemical Partners Logo	90/594526	March 22, 2021	US
NESDR	97/396876	May 5, 2022	US
OPTIS	90/596039 6891909	November 8, 2022	US
OPTIS Logo	90/596080 6891910	November 8, 2022	US
Non-Emulsifying Skin Damage Reductant Chemistry	97/396844	May 5, 2022	US

SCHEDULE B TO GRANT OF A SECURITY INTEREST
Patent Registrations and Applications

<u>Patent Name</u>	<u>Number</u>	<u>Date</u>	<u>Country</u>
FRICITION FLOW LOOP TEST METHOD AND APPARATUS	17/191,939 11,175,209	November 16, 2021	US
DRILL CUTTING COMPOSITE CORE MANUFACTURING METHOD AND APPARATUS	17/203,003 11,060,364	July 13, 2021	US
EVALUATING SPONTANEOUS HYDRAULIC FRACTURING FLUID IMBIBITION AND OIL DISPLACEMENT METHOD AND APPARATUS	17/238,746 11,092,586	August 17, 2021	US
DRILL CUTTING COMPOSITE CORE MANUFACTURING METHOD AND APPARATUS	17/343,072 11,549,322	January 10, 2023	US
DRILL CUTTINGS COMPOSITE CORE MANUFACTURING METHOD AND APPARATUS	18/077,433	December 8, 2022	US
CORE FLOOD EFFECTIVE PERMEABILITY TEST METHOD AND APPARATUS	17/539973	December 1, 2021	US
LABORATORY WORKFLOW METHOD OF HYDRAULIC FRACTURING FLUID DEVELOPMENT	17/526745	November 15, 2021	US
EXPANSION OF DRILL CUTTINGS COMPOSITE CORE MANUFACTURING METHOD AND APPARATUS	17/502857	October 15, 2021	US
EVALUATING SPONTANEOUS HYDRAULIC FRACTURING FLUID IMBIBITION AND OIL DISPLACEMENT METHOD AND APPARATUS	17/375775	July 14, 2021	US
METHOD FOR INCREASING WELL PRODUCTIVITY IN	17/981499	November 6, 2022	US

HYDRAULICALLY FRACTURED RESERVOIRS			
---------------------------------------	--	--	--

[Imperative] Grant of a Security Interest - Patents & Trademarks
#87558640

RECORDED: 09/02/2023

**PATENT
REEL: 064804 FRAME: 0044**