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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7381037

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

**CONVEYING PARTY DATA**

| Name             | Execution Date |
|------------------|----------------|
| DE-HAO TSAI      | 04/29/2022     |
| YUNG-TIN PAN     | 04/29/2022     |
| CHE-MING YANG    | 04/29/2022     |
| CHING-YUAN CHANG | 04/29/2022     |
| DING-HUEI TSAI   | 04/29/2022     |
| CHIEN-FU HUANG   | 05/02/2022     |
| YI-TA TSAI       | 05/02/2022     |

**RECEIVING PARTY DATA**

|                        |                                    |
|------------------------|------------------------------------|
| <b>Name:</b>           | NATIONAL TSING HUA UNIVERSITY      |
| <b>Street Address:</b> | NO. 101, SECTION 2, KUANG-FU ROAD  |
| <b>City:</b>           | HSINCHU                            |
| <b>State/Country:</b>  | TAIWAN                             |
| <b>Name:</b>           | CHANG CHUN PLASTICS CO., LTD.      |
| <b>Street Address:</b> | 7F., NO.301, SONGJIANG RD.         |
| <b>City:</b>           | TAIPEI                             |
| <b>State/Country:</b>  | TAIWAN                             |
| <b>Name:</b>           | CHANG CHUN PETROCHEMICAL CO., LTD. |
| <b>Street Address:</b> | 7F., NO.301, SONGJIANG RD.         |
| <b>City:</b>           | TAIPEI                             |
| <b>State/Country:</b>  | TAIWAN                             |
| <b>Name:</b>           | DAIREN CHEMICAL CORP.              |
| <b>Street Address:</b> | 7F., NO.301, SONGJIANG RD.         |
| <b>City:</b>           | TAIPEI                             |
| <b>State/Country:</b>  | TAIWAN                             |

**PROPERTY NUMBERS Total: 1**

| Property Type              | Number   |
|----------------------------|----------|
| <b>Application Number:</b> | 17839618 |

**CORRESPONDENCE DATA****PATENT**

**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:** 3014536105  
**Email:** docketing@mmviplaw.com, hfallow@mmviplaw.com  
**Correspondent Name:** MCBEE MOORE & VANIK IP, LLC  
**Address Line 1:** 510 SOUTH MARKET STREET  
**Address Line 4:** FREDERICK, MARYLAND 21701

|                                |                |
|--------------------------------|----------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 3000109-014000 |
|--------------------------------|----------------|

|                           |               |
|---------------------------|---------------|
| <b>NAME OF SUBMITTER:</b> | HILARY FALLOW |
|---------------------------|---------------|

|                   |                 |
|-------------------|-----------------|
| <b>SIGNATURE:</b> | /Hilary Fallow/ |
|-------------------|-----------------|

|                     |            |
|---------------------|------------|
| <b>DATE SIGNED:</b> | 06/14/2022 |
|---------------------|------------|

**Total Attachments: 9**

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**ASSIGNMENT**

This assignment agreement is applicable to an invention entitled (Invention Title)\_\_\_\_\_

**COMPOSITE SOLID BASE CATALYST, MANUFACTURING METHOD THEREOF  
AND MANUFACTURING METHOD OF GLYCIDOL**

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The PATENT RIGHTS referred to in this agreement are:

(check one)  a patent application for this invention, executed by the ASSIGNOR(S)  
concurrently with this assignment.

U.S. patent application Serial No. \_\_\_\_\_, filed \_\_\_\_\_

a U.S. patent application based on PCT International Application  
No. \_\_\_\_\_ filed on (date) \_\_\_\_\_ (U.S. patent application  
Serial No. \_\_\_\_\_, if known).

U.S. patent No. \_\_\_\_\_, issued \_\_\_\_\_.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of  
the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

U.S. patent rights only.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures  
appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) 1.NATIONAL TSING HUA UNIVERSITY

2.Chang Chun Plastics Co., Ltd.

3.Chang Chun Petrochemical Co., LTD.

4.DAIREN CHEMICAL CORP.

(Address) 1.NO.101, SECTION 2, KUANG-FU ROAD, HSINCHU, TAIWAN, R.O.C.

2.7F., NO.301, SONGJIANG RD., TAIPEI, TAIWAN, R.O.C.

3.7F., NO.301, SONGJIANG RD., TAIPEI, TAIWAN, R.O.C.

4.7F., NO.301, SONGJIANG RD., TAIPEI, TAIWAN, R.O.C.

The ASSIGNEE is:

(check one)  An individual.

A Partnership.

1.  (other) A University of TAIWAN, R.O.C.

2.  A Corporation of TAIWAN, R.O.C.

3.  A Corporation of TAIWAN, R.O.C.

4.  A Corporation of TAIWAN, R.O.C.

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and  
valuable consideration, receipt of which is acknowledged, hereby assign(s) the following  
rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable  
provisions, based on any earlier patent applications for this invention.

**PATENT**

**REEL: 060189 FRAME: 0776**

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO  
ASSIGNEE: 1. NATIONAL TSING HUA UNIVERSITY

2. Chang Chun Plastics Co., Ltd.

3. Chang Chun Petrochemical Co., LTD.

4. DAIREN CHEMICAL CORP.

INVENTION TITLE: COMPOSITE SOLID BASE CATALYST,

MANUFACTURING METHOD THEREOF AND MANUFACTURING METHOD OF  
GLYCIDOL.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

De-Hao TSAI De-Hao Tsai 2022.04.29  
Name of sole or first inventor Signature Date

Yung-Tin PAN Yung-Tin Pan 2022.04.29  
Name of second inventor, if any Signature Date

Che-Ming YANG \_\_\_\_\_  
Name of third inventor, if any Signature Date

Ching-Yuan CHANG Ching-Yuan Chang 2022.04.29  
Name of fourth inventor, if any Signature Date

Ding-Huei TSAI Ding-Huei Tsai 2022.04.29  
Name of fifth inventor, if any Signature Date

Chien-Fu HUANG \_\_\_\_\_  
Name of sixth inventor, if any Signature Date

Yi-Ta TSAI

\_\_\_\_\_  
Name of seventh inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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De-Hao TSAI

Name of sole or first inventor

Signature

Date

Yung-Tin PAN

Name of second inventor, if any

Signature

Date

Che-Ming YANG

Name of third inventor, if any

Signature

Date

*Che-Ming YANG*

*2022.04.29*

Ching-Yuan CHANG

Name of fourth inventor, if any

Signature

Date

Ding-Huei TSAI

Name of fifth inventor, if any

Signature

Date

Chien-Fu HUANG

Name of sixth inventor, if any

Signature

Date

**PATENT**  
**REEL: 060189 FRAME: 0779**

Yi-Ta TSAI

\_\_\_\_\_  
Name of seventh inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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De-Hao TSAI  
Name of sole or first inventor                      Signature                      Date

Yung-Tin PAN  
Name of second inventor, if any                      Signature                      Date

Che-Ming YANG  
Name of third inventor, if any                      Signature                      Date

Ching-Yuan CHANG  
Name of fourth inventor, if any                      Signature                      Date

Ding-Huei TSAI  
Name of fifth inventor, if any                      Signature                      Date

Chien-Fu HUANG  
Name of sixth inventor, if any                      Signature                      Date

*Chien-Fu Huang*

2022.05.02



Yi-Ta TSAI

\_\_\_\_\_  
Name of seventh inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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De-Hao TSAI

Name of sole or first inventor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Yung-Tin PAN

Name of second inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Che-Ming YANG

Name of third inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Ching-Yuan CHANG

Name of fourth inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Ding-Huei TSAI

Name of fifth inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Chien-Fu HUANG

Name of sixth inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Yi-Ta TSAI  
Name of seventh inventor, if any

Yi-Ta Tsai  
Signature

2022.05.02  
Date