504616570 10/30/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4663285

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUAN YAO	08/14/2017
BO-FAN HSEUH	08/14/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15795278

CORRESPONDENCE DATA

Fax Number: (888)388-6582

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: 8883886609

Email: info@ckc-ip.com

Correspondent Name: CKC & PARTNERS CO., LTD.

Address Line 1: ROOM 1901, 19/F, LEE GARDEN ONE Address Line 2: 33 HYSAN AVENUE, CAUSEWAY BAY

Address Line 4: HONG KONG, HONG KONG

ATTORNEY DOCKET NUMBER: TWT05540/US

PATENT 504616570 REEL: 043977 FRAME: 0269

NAME OF SUBMITTER:	JAMES LYNN O'SULLIVAN
SIGNATURE:	/James Lynn O'Sullivan/
DATE SIGNED:	10/30/2017
Total Attachments: 2	

source=TWT05540US_Assignment#page1.tif source=TWT05540US_Assignment#page2.tif

PATENT REEL: 043977 FRAME: 0270

ASSIGNMENT

This assignment agreement is appricable to an invention entitied (invention Title)
METHOD OF REAL-TIME PROGNOSIS OF FLOODING PHENOMENON IN PACKED
COLUMN
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
Nofiled 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:
(check one) \(\subseteq U.S.\) patent rights only.
Worldwide patent rights. In this case, the assignee shall have the right to
claim the benefit of the filing date of any U.S. or foreign patent application
for this invention.
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.
(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.
The ASSIGNEE is:
(check one) An individual.
A Partnership.
(other) A University of TAIWAN, R.O.C.
Corporations of <u>TAIWAN, R.O.C.</u> (specify state or country)
Corporations of <u>TAIWAN, R.O.C.</u> (specify state or country)
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.

REEL: 043977 FRAME: 0271

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO ASSIGNEE: LNATIONAL TSING BUA UNIVERSITY

2 Chang Chun Plastics Co., Ltd.

RECORDED: 10/30/2017

3. Chang Chun Petrochemical Co., LTD.

INVENTION TITLE: METHOD OF REAL-TIME PROGNOSIS OF FLOODING PHENOMENON IN PACKED COLUMN

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.

 Yuan YAO
 ACM YAC
 1517.57/4

 Name of sole or first inventor
 Signature
 Date

 Bo-Fan HSEUH
 Bo-Fan HSEUH
 Signature
 Signature

 Name of second inventor, if any
 Signature
 Date

PATENT REEL: 043977 FRAME: 0272