505870354 01/17/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5917182

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
YOU SEOB GIL	11/27/2019

RECEIVING PARTY DATA

Name:	LG CHEM, LTD.	
Street Address:	128, YEOUI-DAERO	
Internal Address:	YEONGDEUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	07336	

PROPERTY NUMBERS Total: 1

Property Type Number	
Application Number:	16631626

CORRESPONDENCE DATA

Fax Number: (908)654-0415

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: (908) 518-6338

Email: assignment@lernerdavid.com

Correspondent Name: LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

Address Line 1: 20 COMMERCE DRIVE

Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	LGCHEM 3.3F-2340	
NAME OF SUBMITTER:	MELINDA C. CORMIER	
SIGNATURE:	/Melinda C. Cormier/	
DATE SIGNED:	01/17/2020	

Total Attachments: 2

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT 505870354 REEL: 051546 FRAME: 0365

	ON AND ASSIGNMENT FOR R DESIGN APPLICATIONS	Attorney Docket Number: P2017-3342PCUS
Title of Invention	SYSTEM AND METHOD FOR DIAG	NOSING RELAY FAULT
As the belo This declari	ation	nated as the undersigned). I/We hereby declare that:
	The attached application, or	
	X United States application or PCT int	ternational application number PCT/KR2018/014252
•	filed on November 20, 2018	-
The above-identifie	ed application was made or authorized to	o be made by me/us
I/We believe that I	am the original inventor or an original jo	int inventor of a claimed invention in the application.
I/We hereby acknowly fine or imprison	wiedge that any willful false statement n ment of not more than five (5) years, or l	nade in this declaration is punishable under 18 U.S.C. 1001 both.
WHEREAS, the unlisted below) has in	ndersigned as a sole inventor (if only or ovented certain new and useful improve	ne name is listed below) or as a joint inventor (if plural names are ements in the application identified above
AND, WHEREAS 128, Yeoui-daero, interest in the sam	Yeongdeungpo-gu, Seoul, REPUBLIC	as assignee), a corporation of Korea whose mailing address is OF KOREA 07336 is desirous of acquiring the entire right, title and
valuable considers and interest for the application and all therefor in the Unit and patents for sai including all claims and the use of its at the Commissioner or resulting therefor my/our legal representations assignments thereto the undersigned proceedings in whice oaths, and to do ge	tion, the undersigned hereby sell(s), as United States of America and all other original, divisional, continuation, substited States of America and all other cour d invention claiming priority or benefit of for damages by reason of past infringe uccessors, assigns and legal represen of Patents and Trademarks is hereby a orm to said assignee herein, as assigne- entatives, heirs and assigns do hereby divisional, continuation, reissue and other of to said assignee or its assigns, to cour respecting said improvements, whenever the any of said applications or patents in nerally everything necessary to aid assigns and assigns and assigns and assigns or patents in any of said applications or patents in nerally everything necessary to aid assigns.	tollar, the receipt wherof is acknowledged, and other good and ssign(s) and set(s) over to said assignee my/our entire right, title recountries in and to said invention and the aforesaid utility patent tute or reissue applications and patents applied for or granted intries, for said invention, including without limitation all applications of the aforesaid utility application pursuant to any law or treaty, and ement with the right to sue for and collect the same for its own use tatives, and including the right to claim such priority or benefit and authorized and requested to issue all patents on said improvements e of the entire interest therein; and the undersigned for me/us and regree and covenant without further remuneration, to execute and her applications for Letters Patent on said improvements and all mmunicate to said assignee or its representatives all facts known ver requested, to testify in any interferences or other legal may become involved, to sign all lawful papers, make all rightful signee, its successors, assigns and nominees to obtain patent ness incident to said applications to be borne and paid by said
material to patentabilit	 § 1.63(c), "[a] person may not execute an ition, including the claims, and is aware of t y as defined in §1.56," 	ARNING: oath or declaration unless the person has reviewed and understands the he duty to disclose to the Office all information known to the person to be
FULL NAME:	OF INVENTOR(S)	
Inventor one:	GIL, You Seob	Date: November 27, 2019
	257 12 h	

PLEASE SEE THE WARNINGS ON THE LAST PAGE OF THIS FORM.

WARNING:

According to 37 C.F.R. § 1 63(c). "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in §1.56."

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.