

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KUNCHAN LEE	05/09/2017
HIROSHI TAKAHASHI	05/09/2017
TOMOYA KITAGAWA	05/09/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15537907
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<b>ATTORNEY DOCKET NUMBER:</b>	Q233570
<b>NAME OF SUBMITTER:</b>	BYRON F. GALVEZ
<b>SIGNATURE:</b>	/Byron Galvez/
<b>DATE SIGNED:</b>	06/20/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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source=Q233570Assignmentexecutedasfiled#page2.tif	

## Assignment of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS

WHEREAS, I (WE) 1) Kunchan LEE, 2) Hiroshi TAKAHASHI and 3) Tomoya KITAGAWA  
of c/o SHOWA DENKO K.K., 13-9, Shibadaimon 1-chome, Minato-ku, Tokyo  
1058518 Japan, respectively,

INSERT TITLE OF  
INVENTION:

have invented certain new and useful improvements in: "CATALYST CARRIER, METHOD FOR  
PRODUCING CATALYST CARRIER, AND USE OF CATALYST CARRIER"

(Application No. 15/537,907 , filed June 20, 2017 ), and

INSERT NAMES  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, SHOWA DENKO K.K.

(hereinafter referred to as "ASSIGNEE") having a place of business at : 13-9, Shibadaimon  
1-chome, Minato-ku, Tokyo 1058518 Japan is desirous of acquiring the entire right, title  
and interest in and to said invention and in and to any Letters Patent that may be granted therefore  
in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is  
hereby acknowledged, and for other good and valuable consideration, I(WE), by these presents do  
sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in  
the United States and its territorial possessions and in all foreign countries and the entire right,  
title and interest in and to any and all Letters Patent which may be granted therefor in the United  
States and its territorial possessions and in any and all foreign countries and in and to any and all  
divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its  
territorial possessions and any and all foreign countries to issue any and all of said Letters Patent,  
when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and  
to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the  
full end of the term for which said Letters Patent may be granted, as fully and entirely as the same  
would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Sughrue, Mion, PLLC of 2100 Pennsylvania Avenue, N.W.

Washington, DC 20037-3213

U. S. A the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: May 9, 2017 *Kunchan Lee*  
(Signature of Inventor) Kunchan LEE

Date: May 9, 2017 *Hiroshi Takahashi*  
(Signature of Inventor) Hiroshi TAKAHASHI

Date: May 9, 2017 *Tomoya Kitagawa*  
(Signature of Inventor) Tomoya KITAGAWA

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

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(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_  
(Signature of Inventor)