PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WEI WU	01/03/2011
YUNKUI LI	01/03/2011
JEFFERY LACHAPELLE	01/03/2011

RECEIVING PARTY DATA

Name:	PACIFIC INDUSTRIAL DEVELOPMENT CORPORATION
Street Address:	4788 RUNWAY BLVD.
City:	ANN ARBOR
State/Country:	MICHIGAN
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15179122

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ATTORNEY DOCKET NUMBER:	13595-050
NAME OF SUBMITTER:	KEITH D. WEISS
SIGNATURE:	/Dr. Keith D. Weiss/
DATE SIGNED:	06/10/2016

Total Attachments: 2

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PATENT 503866131 REEL: 038879 FRAME: 0144

ASSIGNMENT

WHEREAS, Wei Wu, Yunkui Li and Jeffery Lachapelle, hereinafter called the "Assignors," have made the invention described in the United States provisional patent application entitled NEW TYPE OF CATALYST SUPPORT MATERIALS WITH OXYGEN STORAGE CAPACITY (OSC) AND MAKING METHODS THEREOF, for a full description of which reference is here made to a patent application of the United States filed on December 22, 2010 and assigned Application No. 61/425,958;

WHEREAS, Pacific Industrial Development Corporation, a corporation having a place of business at 4788 Runway Blvd., Ann Arbor, Michigan, 48108, hereinafter called the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, for good, valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, for the United States, the entire right, title and interest in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all non-provisionals, continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby sell, assign, and transfer the entire right, title and interest to the Assignee as of the day of filing the application identified above.

A.

PATENT REEL: 038879 FRAME: 0145 The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee exclusive title in and to the invention an all such patent applications and patents; and in the prosecution of any interference which may arise involving said invention or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers that may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to and in the name of the Assignee, in accordance with the terms of this Assignment.

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SIGNED:

Wei Wu

DATED: (-3-/1

SIGNED: Yunkuid i

DATED:

SIGNED: Jeffy accept to

Jeffery Lachapelle

RECORDED: 06/10/2016

DATED: /-2-//