#### 501926023 05/18/2012

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

# **CONVEYING PARTY DATA**

Name	Execution Date
Ah-Hyung Alissa Park	12/22/2011
Liang-Shih Fan	12/22/2011
Hyung Ray Kim	12/25/2011

#### RECEIVING PARTY DATA

Name:	The Trustees of Columbia University in the City of New York
Street Address:	110 Low Memorial Library
Internal Address:	535 West 116th Street
City:	New York
State/Country:	NEW YORK
Postal Code:	10027

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13319831

#### CORRESPONDENCE DATA

Fax Number: (203)782-2889 Phone: 203-498-4447 Email: lblair@wiggin.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

Correspondent Name: WIGGIN AND DANA LLP ATTENTION: PATENT D

ONE CENTURY TOWER, P.O. BOX 1832 Address Line 1: Address Line 4: NEW HAVEN, CONNECTICUT 06508-1832

ATTORNEY DOCKET NUMBER:	103239-102
NAME OF SUBMITTER:	Anthony P. Gangemi

Total Attachments: 2

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> **PATENT** REEL: 028233 FRAME: 0868

Docket No.: 103239-102

### ASSIGNMENT

WHEREAS, We, Ah-Hyung Alissa Park, residing at 560 Riverside Drive, Apt. #20A, New York, NY 10027, Liang-Shih Fan, residing at 1286 Castleton Road N., Columbus, OH 43220, and Hyung Ray Kim, residing at 1210 Chambers Road, 322c, Columbus, OH 43212, have invented certain new and useful improvements in METHODS AND SYSTEMS FOR SYNTHESIZING IRON-BASED MATERIALS AND SEQUESTERING CARBON DIOXIDE for which we:

	have executed an application for Letters Patent of the United States of even date
	herewith;
$\boxtimes$	have filed an application for Letters Patent of the United States on November 10, 2011
	under Serial No. 13/319.831: and

WHEREAS, The Trustees of Columbia University in the City of New York, organized under the laws of the State of New York, having its principal place of business at 110 Low Memorial Library, 535 West 116<sup>th</sup> Street, New York, NY 10027, is desirous of obtaining the entire right, title, and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents to hereby sell, assign, transfer and set over, unto the said The Trustees of Columbia University in the City of New York, its successors, legal representatives, and assigns the entire right, title, and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon or claim priority therefrom and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements or claim priority therefrom in any country or countries foreign to the United States and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States and any Official of any country or countries

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foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvement to the said The Trustees of Columbia University in the City of New York, its successors, legal representatives and assigns, in accordance with the

terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein

assigned, and that we have not executed, and will not execute, any agreement in conflict

herewith.

AND WE HEREBY further covenant and agree that we will communicate to said The

Trustees of Columbia University in the City of New York, its successors, legal representatives

and assigns, any facts known to us respecting said improvements, and testify in any legal

proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications,

make all rightful oaths, and generally do everything possible to aid said The Trustees of

Columbia University in the City of New York, its successors, legal representatives and assigns to

obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set

opposite our signatures.

Date: 12/22/11

Ah-Hyung Alissa Park

Date: 12/22/2011

Tiona Chih Dan

Date: 12/25/2011

Hyung Ray Kim

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RECORDED: 05/18/2012