504214407 02/06/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4261084

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LIANHUA QU	04/18/2012
GREGORY MILLER	04/21/2012

RECEIVING PARTY DATA

Name:	CRYSTALPLEX CORPORATION
Street Address:	2403 SIDNEY STREET
Internal Address:	SUITE 280
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15203

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15243644

CORRESPONDENCE DATA

Fax Number: (412)281-0717

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: (412)454-5000

Email: docketingpgh@pepperlaw.com PEPPER HAMILTON LLP **Correspondent Name:** Address Line 1: **500 GRANT STREET**

Address Line 2: **SUITE 5000**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219-2507

ATTORNEY DOCKET NUMBER:	134597.00611
NAME OF SUBMITTER:	MICHAEL A. PATANE
SIGNATURE:	/Michael A. PATANE/
DATE SIGNED:	02/06/2017

Total Attachments: 3

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> **PATENT REEL: 041182 FRAME: 0518** 504214407

ASSIGNMENT

WHEREAS, WE, LIANHUA QU and GREGORY MILLER, (hereinafter referred to as "Assignors"), have made a certain new and useful invention as set forth and disclosed in applications, entitled PASSIVATED NANOPARTICLES, the application of which was filed on March 23, 2012 as U.S. Patent Application No. 13/497,944 (hereinafter referred to as the "Invention").

AND WHEREAS, CRYSTALPLEX CORPORATION having an address of 2403 Sidney Street, Suite 280, Pittsburgh, Pennsylvania 15203 (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor:

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said Invention as set forth in the above-mentioned application, including any applications which claim priority to the above-referenced application, any applications to which the above-referenced application claims priority, and any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said Invention, and in enforcing any rights or chooses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee;

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP 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.

AND we request that any Patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

	By: / rade Name: LIANHU	A QU	
	Date: 4-18		, 2012
STATE OF Jansylvania)		
,) SS:	•	
COUNTY OF Allegheny)		
On this 1 day of AP. LIANHUA QU, known to be the person racknowledged to me that he executed the s	named in and who e	executed the above in	strument, and
	Auch	u purposes inerem ser	Torth.
COMMONWEALTH OF PENNSYLVANIA Notarial Seal	Notary Public		5
Michelle K. O'Bosky, Notary Public Bethel Park Boro, Allegheny County My Commission Expires Oct. 22, 2013	My Commission	Expires: <u>/0 - 22 ·</u>	(3_

COUNTY OF Santa Clara

) SS:

On this 21 day of APR, 2012, before me personally appeared, GREGORY MILLER, known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

ELeua Opali Notary Public

My Commission Expires: APR. 7, 2015

2012 before me_ Notary Public, personally appeared Greecoy QQ who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) takers subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(les), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is WITNESS my hand and official seal. true and correct.

ELENA OPALL Commission # 1931710 Notary Public - California San Mateo County My Comm. Expires Apr 7, 2015

RECORDED: 02/06/2017