

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>XIAOLONG DU</td><td>05/04/2008</td></tr><tr><td>ZHAOQUAN ZENG</td><td>04/30/2008</td></tr><tr><td>HONGTAO YUAN</td><td>04/29/2008</td></tr><tr><td>HANDONG LI</td><td>05/03/2008</td></tr><tr><td>QIKUN XUE</td><td>05/02/2008</td></tr><tr><td>JINFENG JIA</td><td>05/02/2008</td></tr></tbody></table>	Name	Execution Date	XIAOLONG DU	05/04/2008	ZHAOQUAN ZENG	04/30/2008	HONGTAO YUAN	04/29/2008	HANDONG LI	05/03/2008	QIKUN XUE	05/02/2008	JINFENG JIA	05/02/2008	
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RECEIVING PARTY DATA															
Name:	THE CHINESE ACADEMY OF SCIENCES; THE INSTITUTE OF PHYSICS														
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Internal Address:	ZHONGGUANCUN, HAIDIAN DISTRICT														
City:	BEIJING														
State/Country:	CHINA														
Postal Code:	100080														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12067835</td></tr></tbody></table>	Property Type	Number	Application Number:	12067835											
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CORRESPONDENCE DATA															
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ATTORNEY DOCKET NUMBER:	CAS-101														

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PATENT
REEL: 020950 FRAME: 0248

NAME OF SUBMITTER:

Aliko Collins

Total Attachments: 2

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ASSIGNMENT OF PATENT APPLICATION

Whereas, we:

- (1) XIAOLONG DU
- (2) ZHAOQUAN ZENG
- (3) HONGTAO YUAN
- (4) HANDONG LI
- (5) QIKUN XUE
- (6) JINFENG JIA residing in

8 NANSANJIE, ZHONGGUANCUN, HAIDIAN DISTRICT,
BEIJING, CHINA 100080

have invented an invention entitled:

A HIGH VACUUM IN-SITU REFINING METHOD FOR HIGH PURITY
MATERIALS AND AN APPARATUS THEREOF

which is the subject of a U.S. Patent Application No.: 12/067,835
(hereinafter, "Application"), filed on 3/24/2008 ;

And whereas THE CHINESE ACADEMY OF SCIENCES; THE
INSTITUTE OF PHYSICS, a Chinese Non-Profit Educational Institution, having a place
of business at 8 NANSANJIE, ZHONGGUANCUN, HAIDIAN DISTRICT, BEIJING,
CHINA 100080 (hereinafter, called "Assignee"), desires to acquire the entire right, title
and interest in said Application and invention, and to any United States and foreign patents
to be obtained therefore;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged,
we the above-named hereby sell, assign, and transfer to Assignee, its successors and assigns,
the entire right, title and interest in said Application and invention therein disclosed for the
United States and foreign countries, and all rights of priority resulting from the filing of said
United States Application and any related international applications, and we request the
Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in

Docket No. CAS-101

said application to Assignee, its successors and assigns; and we hereby agree that Assignee may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignee.

We the above-named hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into, which would conflict with this assignment.

Name of the Inventor (Assigner):

(1) XIAOLONG DU

Signature: 杜小龙

Date: May 4, 2008

(2) ZHAOQUAN ZENG

Signature: 曾兆权

Date: April 30, 2008

(3) HONGTAO YUAN

Signature: 袁洪涛

Date: April 29, 2008

(4) HANDONG LI

Signature: 李寒冬

Date: May 3, 2008

(5) QIKUN XUE

Signature: 薛其坤

Date: May 2, 2008

(6) JINFENG JIA

Signature: 贾金峰

Date: May 2, 2008

Name of the Applicant (Assignee):

THE CHINESE ACADEMY OF SCIENCES, THE INSTITUTE OF PHYSICS,



Seal or Signature: 王王鹏

Date: May 12, 2008