

## 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>Zhongyun Fan</td> <td>03/13/2013</td> </tr> <tr> <td>Yubo Zuo</td> <td>03/13/2013</td> </tr> <tr> <td>Bo Jiang</td> <td>03/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhongyun Fan	03/13/2013	Yubo Zuo	03/13/2013	Bo Jiang	03/13/2013		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Brunel University</td> </tr> <tr> <td>Street Address:</td> <td>Michael Sterling Building, Kingston Lane</td> </tr> <tr> <td>City:</td> <td>Uxbridge Middlesex</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>UB8 3PH</td> </tr> </table>		Name:	Brunel University	Street Address:	Michael Sterling Building, Kingston Lane	City:	Uxbridge Middlesex	State/Country:	UNITED KINGDOM	Postal Code:	UB8 3PH
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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>13823216</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13823216						
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CORRESPONDENCE DATA											
<p>Fax Number: 6082529243  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 608 255 8891</p> <p>Email: docket-ip@dewittross.com</p> <p>Correspondent Name: Intellectual Property Dept. Dewitt Ross</p> <p>Address Line 1: 2 East Mifflin Street</p> <p>Address Line 2: Suite 600</p> <p>Address Line 4: Madison, WISCONSIN 53703-2865</p>											
ATTORNEY DOCKET NUMBER:	78104165-N29991										
NAME OF SUBMITTER:	Marilyn Hanson										
<p>Total Attachments: 5</p> <p>source=USPTO--130314--Assignment--Signed--N29991#page1.tif</p> <p>source=USPTO--130314--Assignment--Signed--N29991#page2.tif</p> <p>source=USPTO--130314--Assignment--Signed--N29991#page3.tif</p> <p>source=USPTO--130314--Assignment--Signed--N29991#page4.tif</p> <p>source=USPTO--130314--Assignment--Signed--N29991#page5.tif</p>											

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## ASSIGNMENT

This document is an ASSIGNMENT made by ASSIGNORS:

Zhongyun FAN	of	Michael Sterling Building, Kingston Lane Uxbridge Middlesex UB8 3PH (GB)
Yubo ZUO	of	Michael Sterling Building, Kingston Lane Uxbridge Middlesex UB8 3PH (GB)
Bo JIANG	of	Michael Sterling Building, Kingston Lane Uxbridge Middlesex UB8 3PH (GB)

to ASSIGNEE:

Brunel University	of	Michael Sterling Building, Kingston Lane Uxbridge Middlesex UB8 3PH (GB)
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(a university organized under the laws of Great Britain).

IN CONSIDERATION of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged:

### 1. Assignment.

Each ASSIGNOR sells and assigns to the ASSIGNEE, and to the ASSIGNEE's successors and assignees, their entire right, title and interest in the invention entitled **APPARATUS AND METHOD FOR LIQUID METALS TREATMENT** set forth in the following patent applications:

Title (as filed):	<b>APPARATUS AND METHOD FOR LIQUID METALS TREATMENT</b>
Inventor(s):	Zhongyun FAN; Yubo ZUO; and Bo JIANG
Priority From:	GB 1015498.7; PCT/GB2011/051744
US Filing Date:	14 March 2013
US Serial No.:	13/823,216

Title (as filed):	<b>APPARATUS AND METHOD FOR LIQUID METALS TREATMENT</b>
Inventor(s):	Zhongyun FAN; Yubo ZUO; and Bo JIANG
Priority From:	GB 1015498.7
PCT Filing Date:	16 September 2011
PCT Serial No.:	PCT/GB2011/051744

Title (as filed):       **APPARATUS AND METHOD FOR LIQUID METAL TREATMENT**  
Inventor(s):           Zhongyun FAN; Yubo ZUO; and Bo JIANG  
Priority From:          None  
GB Filing Date:        16 September 2010  
GB Serial No.:          GB 1015498.7

The ASSIGNEE or the attorney of record is authorized to insert the filing date and serial number of the application above after such have been established.

Each ASSIGNOR acknowledges that their entire beneficial interest in the invention to which the above application relates is irrevocably vested in the ASSIGNEE, including the right to apply for protection in all countries abroad and the right to claim priority under any International Conventions for such applications, and assent to the making of any such applications and any substitutes, refiles, divisions, or continuations resulting from any such applications, with or without priority claims. Each ASSIGNOR acknowledges that the ASSIGNEE shall hold all right, title and interest in the invention as fully and completely as they would have been held by the ASSIGNOR had this ASSIGNMENT not been made, including any right, title and interest in and to any causes of action for infringement, and the right to sue and collect damages for any infringement.

**2.       Other Matter Encompassed.**

This sale and assignment extends to the previously-noted matter, and also to (a) any related substitute, refile, divisional, or continuation applications filed in the United States and elsewhere; (b) any subsequent patent applications filed in the United States or elsewhere claiming the benefit of priority to this or any of the aforementioned applications; (c) any patents issuing out of any of the aforementioned applications, and any reissues or extensions of such patents; and (d) any other patent applications or patents relating to the invention set forth in the application(s) identified above.

**3.       Assignor Certification of Ownership.**

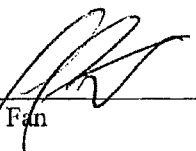
Each ASSIGNOR covenants that they have the full right to convey their entire right, title and interest in the invention to the ASSIGNEE, and that they have not executed and will not execute any agreement in conflict with this ASSIGNMENT.

**4.       Assignor Assistance in Securing Rights.**

Each ASSIGNOR covenants that they will at any time and upon request execute and deliver any and all papers that may be necessary or desirable to perfect the title in the invention, or the title

in any application regarding the invention or in any patents that may be granted for the invention. If the ASSIGNEE or its successors or assignees desire to make substitute, refile, division, or continuation applications for the invention, or to secure a reissue or extension of a patent for the invention, or to file a disclaimer relating to the invention, or to make an application for a corresponding patent in any foreign country, the ASSIGNORS covenant that they will at any time and upon request sign all papers, make all rightful oaths, and do all lawful acts necessary for these purposes, but at the expense of the ASSIGNEE.

The ASSIGNORS covenant that they will at all times communicate to the ASSIGNEE, its successors, assigns, and legal representatives, all facts relating to the invention and any applications or patents relating to the invention known to them, and testify as to these facts in interferences or other litigation when requested to do so, but at the expense of the ASSIGNEE.

ASSIGNOR:   
Zhongyun Fan

Date: 13/3/13  
DAY/MONTH/YEAR

Witnesses to Assignor Zhongyun Fan's Signature:

JEREMY WILKINSON  
Full Name of Witness

  
SIGNATURE

BRUNEL UNIVERSITY, KINGSTON LANE, UXBIDGE, U88 3PH  
Address

\_\_\_\_\_  
Full Name of Witness

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
Address

ASSIGNOR: Yubo Zuo  
Yubo Zuo

Date: 13/03/2013  
DAY/MONTH/YEAR

Witnesses to Assignor Yubo Zuo's Signature:

Li Lei  
Full Name of Witness

Li Lei  
SIGNATURE

No. 3-11, Wenhua Road, Heping District, Shenyang, China, 110819  
Address

Qingfeng Zhu  
Full Name of Witness

Qingfeng Zhu  
SIGNATURE

No. 3-11, Wenhua Road, Heping District, Shenyang, China, 110819  
Address

ASSIGNOR: \_\_\_\_\_  
Bo Jiang

Date: \_\_\_\_\_  
DAY/MONTH/YEAR

Witnesses to Assignor Bo Jiang's Signature:

\_\_\_\_\_  
Full Name of Witness

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
Address

\_\_\_\_\_  
Full Name of Witness

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
Address

ASSIGNOR: Yubo Zuo

Date: DAY/MONTH/YEAR

Witnesses to Assignor Yubo Zuo's Signature:

Full Name of Witness

SIGNATURE

Address

Full Name of Witness

SIGNATURE

Address

ASSIGNOR: Bo Jiang

Date: 13/Mar/2013  
DAY/MONTH/YEAR

Witnesses to Assignor Bo Jiang's Signature:

Jeremy Wilkinson  
Full Name of Witness

J. Wil  
SIGNATURE

Brunel University, Kingston Lane, Uxbridge, UB8 3PH  
Address

Full Name of Witness

SIGNATURE

Address