

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3777933

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAIBO YI	02/22/2016
YI DONG	02/22/2016
SHULIN DIAO	02/22/2016
YI YUAN	02/22/2016
SHUJIE WU	02/22/2016
CAILING SUN	02/22/2016
JUCHANG MIAO	02/22/2016
YA CHEN	02/22/2016
WENJIE YUAN	02/22/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TIANHE (BAOTOU) ADVANCED TECH MAGNET CO., LTD.
<b>Street Address:</b>	NO. 8-17 RARE EARTH AVENUE
<b>Internal Address:</b>	RARE EARTH HIGH-TECH INDUSTRIAL PARK
<b>City:</b>	BAOTOU
<b>State/Country:</b>	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15060188
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-7866
<i>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.</i>	
<b>Phone:</b>	(908) 654-5000
<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LDLK&M
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	9GFZ 3.0F-003
<b>NAME OF SUBMITTER:</b>	MELINDA C. CORMIER

<b>SIGNATURE:</b>	/Melinda C. Cormier/
<b>DATE SIGNED:</b>	03/10/2016
<b>Total Attachments: 9</b> source=003 Assignments#page1.tif source=003 Assignments#page2.tif source=003 Assignments#page3.tif source=003 Assignments#page4.tif source=003 Assignments#page5.tif source=003 Assignments#page6.tif source=003 Assignments#page7.tif source=003 Assignments#page8.tif source=003 Assignments#page9.tif	

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

9GFZ 3.0F-003

Whereas, I, Haibo Yi of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
PREPARATION OF PERMANENT MAGNET MATERIAL

for which an application for a United States Letters Patent was filed on March 3, 2016

Application Number 15/060,188

for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_ , designating the United States.

And

Whereas, Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.  
a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is  
No. 8-17 Rare Earth Avenue; Rare Earth High-tech Industrial Park; Baotou; PEOPLE'S REPUBLIC OF  
CHINA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Feb. 22nd, 2016  
Date

Haibo Yi  
Haibo Yi

Zhimin Wu  
Witness

Zhimin Wu  
Typed Name of Witness

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Yi Dong of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

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Feb. 22nd, 2016  
Date

Yi Dong  
Yi Dong

Zhi min Wu  
Witness

Zhi min Wu  
Typed Name of Witness

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Shulin Diao of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

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Application Number 15/060,188
- for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_
- for which an International Application was filed on \_\_\_\_\_, as  
\_\_\_\_\_, designating the United States.

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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Feb. 27<sup>th</sup> 2016  
Date

Shulin Diao  
Shulin Diao

Zhi min Wu  
Witness

Zhi min Wu  
Typed Name of Witness

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Yi Yuan of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
PREPARATION OF PERMANENT MAGNET MATERIAL

for which an application for a United States Letters Patent was filed on March 3, 2016

Application Number 15/060,188

for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_, designating the United States.

And

Whereas, Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.  
 a corporation of People's Republic of China, herein referred to as "assignee" whose mailing address is  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Baotou, PEOPLE'S REPUBLIC OF  
CHINA

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NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Feb, 22nd, 2016  
 \_\_\_\_\_  
 Date

Yi Yuan  
 \_\_\_\_\_  
 Yi Yuan

Zhimin Wu  
 \_\_\_\_\_  
 Witness

Zhimin Wu  
 \_\_\_\_\_  
 Typed Name of Witness

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Shujie Wu of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in

PREPARATION OF PERMANENT MAGNET MATERIAL

- for which an application for a United States Letters Patent was filed on March 3, 2016  
Application Number 15/060,188
- for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_
- for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_ , designating the United States.

And

Whereas, Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.  
a corporation of People's Republic of China herein referred to as "assignee" whose mailing address is  
No. 8-17 Rare Earth Avenue; Rare Earth High-tech Industrial Park; Baotou; PEOPLE'S REPUBLIC OF  
CHINA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

<u>Feb. 22nd, 2016</u> Date	<u>Shujie Wu</u> Shujie Wu
<u>Zhimin Wu</u> Witness	
<u>Zhi min Wu</u> Typed Name of Witness	

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Caiping Sun of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
PREPARATION OF PERMANENT MAGNET MATERIAL

for which an application for a United States Letters Patent was filed on March 3, 2016

Application Number 15/060,188

for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_, designating the United States.

And

Whereas, Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.  
a corporation of People's Republic of China, herein referred to as "assignee" whose mailing address is  
No. 8-17 Rare Earth Avenue; Rare Earth High-tech Industrial Park; Baotou; PEOPLE'S REPUBLIC OF  
CHINA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Feb. 22nd, 2016  
Date

Caiping Sun  
Caiping Sun

Zhi Min Wu  
Witness

Zhi Min Wu  
Typed Name of Witness

\*Total of 9 forms are submitted.



**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

9GFZ 3.0F-003

Whereas, I, Juchang Miao of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in

PREPARATION OF PERMANENT MAGNET MATERIAL

for which an application for a United States Letters Patent was filed on March 3, 2016

Application Number 15/060,188

for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_

for which an International Application was filed on \_\_\_\_\_, as

\_\_\_\_\_, designating the United States.

And

Whereas, Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.

a corporation of People's Republic of China, herein referred to as "assignee" whose mailing address is

No. 8-17 Rare Earth Avenue; Rare Earth High-tech Industrial Park; Baotou; PEOPLE'S REPUBLIC OF CHINA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

Feb 22<sup>nd</sup> 2016  
 \_\_\_\_\_  
 Date

Juchang Miao  
 \_\_\_\_\_  
 Juchang Miao

Zhimin Wu  
 \_\_\_\_\_  
 Witness

Zhimin Wu  
 \_\_\_\_\_  
 Typed Name of Witness

\*Total of 9 forms are submitted.

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) 9GFZ 3.0F-003
<p>Whereas, I, <u>Ya Chen</u> of  <u>No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,</u>  <u>P.R. China 014030</u></p> <p>hereafter referred to as assignor, have with others invented certain new and useful improvements in  <u>PREPARATION OF PERMANENT MAGNET MATERIAL</u></p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>March 3, 2016</u>  Application Number <u>15/060,188</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____</p> <p><input type="checkbox"/> for which an International Application was filed on _____, as  _____, designating the United States.</p> <p>And</p> <p>Whereas, <u>Tianhe (Baotou) Advanced Tech Magnet Co., Ltd.</u>  a corporation of <u>People's Republic of China</u>, herein referred to as "assignee" whose mailing address is  <u>No. 8-17 Rare Earth Avenue; Rare Earth High-tech Industrial Park; Baotou; PEOPLE'S REPUBLIC OF</u>  <u>CHINA</u></p> <p>is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollar (\$ <u>1.00</u> ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p><u>Feb 22nd, 2016</u>  _____</p> <p>Date</p> </div> <div style="text-align: center;"> <p><u>Ya Chen</u>  _____</p> <p>Ya Chen</p> </div> </div> <div style="margin-top: 20px;"> <p><u>Zhimin Wu</u>  _____</p> <p>Witness</p> <p><u>Zhimin Wu</u>  _____</p> <p>Typed Name of Witness</p> </div>	
<input checked="" type="checkbox"/> *Total of <u>9</u> forms are submitted.	

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional)
	9GFZ 3.0F-003

Whereas, I, Wenjie Yuan of  
No. 8-17 Rare Earth Avenue, Rare Earth High-tech Industrial Park, Inner-Mongolia, Baotou,  
P.R. China 014030

hereafter referred to as assignor, have with others invented certain new and useful improvements in

PREPARATION OF PERMANENT MAGNET MATERIAL

- for which an application for a United States Letters Patent was filed on March 3, 2016  
Application Number 15/060,188
- for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_
- for which an International Application was filed on \_\_\_\_\_, as  
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Feb 22nd 2016  
Date

Wenjie Yuan  
Wenjie Yuan

Zhi min Wu  
Witness

Zhi min Wu  
Typed Name of Witness

\*Total of 9 forms are submitted.