

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Wuwen Yi</td><td>10/25/2007</td></tr><tr><td>William Heckman</td><td>10/29/2007</td></tr><tr><td>Bernd Kunkel</td><td>10/26/2007</td></tr><tr><td>Carl Derrington</td><td>10/26/2007</td></tr><tr><td>Patrick Griffin</td><td>10/25/2007</td></tr></tbody></table> | Name | Execution Date | Wuwen Yi | 10/25/2007 | William Heckman | 10/29/2007 | Bernd Kunkel | 10/26/2007 | Carl Derrington | 10/26/2007 | Patrick Griffin | 10/25/2007 | |
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| Patrick Griffin | 10/25/2007 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| Name: | HERAEUS INC. | | | | | | | | | | | | |
| Street Address: | 6165 West Detroit Street | | | | | | | | | | | | |
| City: | Chandler | | | | | | | | | | | | |
| State/Country: | ARIZONA | | | | | | | | | | | | |
| Postal Code: | 85226 | | | | | | | | | | | | |
| 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>11927325</td></tr></tbody></table> | Property Type | Number | Application Number: | 11927325 | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 11927325 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 050346-0491 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Andrew D. Mickelsen, Reg. No. 50,957 | | | | | | | | | | | | |

CH \$40.00 11927325

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PATENT
REEL: 020039 FRAME: 0309

ASSIGNMENT

WHEREAS WE, Wuwen YI, William HECKMAN, Bernd Kunkel, Carl DERRINGTON and Patrick GRIFFIN of 31 West Caroline Lane, Tempe, Arizona 85284, Montague, Michigan, 16632 S. 14th Street, Phoenix, Arizona 85048, 1941 E. La Vieve Lane, Tempe, Arizona 85284 and 3978 W. Denver Street, Chandler, Arizona 85226, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled METHODOLOGY FOR RECYCLING RU AND RU-ALLOY DEPOSITION TARGETS & TARGETS MADE OF RECYCLED RU AND RU-BASED ALLOY POWDERS, and filed concurrently herewith;

AND WHEREAS, HERAEUS INC., a corporation of the State of Delaware and having an address of 6165 West Detroit Street, Chandler, Arizona 85226, 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 which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto HERAEUS INC., 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 the right of priority and including 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 CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We 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 and 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 choses in action accruing as a result of such applications or patents, by giving testimony in any 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;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said HERAEUS INC., 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.

10/25/2007
Date
10/29/2007
Date
10/26/2007
Date
10/26/07
Date
10/25/07
Date

Wuwen YI
William HECKMAN
Bernd KUNKEL
Carl DERRINGTON
Patrick GRIFFIN

ORC 424866-1.050346.0491

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