501874922 04/02/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Yuka SHIMOMURA | 03/27/2012 |

RECEIVING PARTY DATA

| Name: | ARKRAY, Inc. | |
|-----------------|---|--|
| Street Address: | 57, Nishiaketa-cho, Higashikujo, Minami-ku, Kyoto-shi | |
| City: | Kyoto | |
| State/Country: | JAPAN | |
| Postal Code: | 601-8045 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13437279 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 068022-5150

NAME OF SUBMITTER: Gregory T. Lowen

Total Attachments: 1

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PATENT REEL: 027973 FRAME: 0184 .H \$40.00 1343727

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ATTORNEY DOCKET 068022-SOLE/JOINT INVENTION (WORLDWIDE RIGHTS) PAGE 1 of 1

ASSIGNMENT

| <u> </u> | | | |
|--|---|--|--|
| WHEREAS I/WE, the below named inventors, [hereinafter METHOD FOR RECOVERING METAL AND KIT FOR for which I/WE Executed an application for United States Letters Patent filed an application for United States Letters Patent on filed a National Stage Application under 35 U.S.C. § 371 was filed on; and | R RECOVERY OF METAL FOR USE IN THE SAME concurrently herewith; | | |
| WHEREAS, <u>ARKRAY</u> , <u>Inc.</u> , whose post office address is <u>5</u> 601-8045, <u>Japan</u> (hereinafter referred to as Assignee), is desirous of an all countries throughout the world, and in and to the applications for and Letters Patent to be issued on this invent | or and United States Letters Patent to be issued on this invention | | |
| other good and valuable consideration the receipt of which from assign assigned, transferred, and set over, and do hereby sell, assign, transfe MY/OUR entire right, title, and interest in and to this invention and t and all Letters Patent of the United States which may be granted ther basis of such applications, and all applications for Letters Patent which foreign country and all Letters Patent which may be granted on this in reissues thereof; and I/WE hereby authorize and request the Commiss official of any foreign country whose duty it is to issue patents on applinvention to assignee, its successors and assigns, in accordance with the service of the servi | or, and set over unto the assignee, its lawful successors and assigns, the listed applications, and all divisions, and continuations thereof, eon, and all reissues thereof, and all rights to claim priority on the ch have been or may hereafter be filed for this invention in any invention in any foreign country, and all extensions, renewals, and sioner of Patents and Trademarks of the United States and any plications as described above, to issue all Letters Patent for this the terms of this Assignment; | | |
| AND, I/WE HEREBY further covenant and agree that I/WE its successors and assigns, any facts known to ME/US respecting this papers when called upon to do so, execute and deliver any and all papinvention in said assignee, its successors or assigns, execute all divisioaths and generally do everything possible to aid assignee, its success for this invention in the United States and any foreign country, it bein papers shall be borne by the assignee, its successors and assigns. | pers that may be necessary or desirable to perfect the title to this onal, continuation, and reissue applications, make all rightful sors and assigns, to obtain and enforce proper patent protection | | |
| AND, I HEREBY authorize and request the attorneys I have empowered in the Declaration and Power of Attorney in this application, to insert here in parenthesis (Application No. 13/437, 279, filed April 2, 2012) the filing date and application number of said application when known. IN TESTIMONY WHEREOF, I have hereunto set our hand. | | | |
| County of State of | Yuka SHIMOMURA Full Name of First Assignor c/o ARKRAY, Inc., Yousuien-nai, 59, Gansuin-cho, | | |
| Subscribed and sworn to before me this day of, 2012. Notary Public | Kamigyo-ku, Kyoto-shi, Kyoto 602-0008, Japan Address Yuka Shumemusea First Assignor's Signature 27. 20/2 Date | | |

☐ Yes ☒ No

DB1/62588450.1

PATENT REEL: 027973 FRAME: 0185

Names of additional inventors attached: