

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
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KOHMEI HALADA	12/24/2015
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13985168
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DATE SIGNED:	01/05/2016
Total Attachments: 1	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, paid to Sherif Elsafty, having an address at 2-1, Sengen 1-chome, Tsukuba-shi 3050047, Japan, and Kohmei Halada, having an address at 2-1, Sengen 1-chome, Tsukuba-shi 3050047, Japan (the undersigned Inventors), such undersigned Inventors hereby sell and assign to National Institute for Materials Science, having a place of business at 2-1, Sengen 1-chome, Tsukuba-shi 3050047, Japan (the Assignee) their entire right, title and interest:

- For the United States of America (as defined in 35 U.S.C. § 100) and
- Throughout the World

in all invention(s) described or claimed in application(s) for patent in the United States of America entitled:

**Method For Extraction And Separation Of Lanthanoid Elements
And Actinoid Elements, And Means For Extraction And Separation
Of Lanthanoid Elements And Actinoid Elements**

which applications for patent are also known as:

**United States Patent Application Serial No. 13/985,168 (filed on August 13, 2013); and
International Application No. PCT/JP2012/055007 (filed on February 21, 2012)**

and in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation and continuation-in-part applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this Assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned Inventor agrees to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

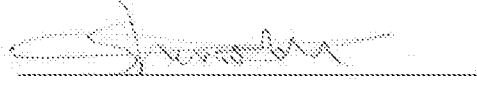
The undersigned Inventor agrees to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned Inventor hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned Inventor hereby grants William C. Schrot, Reg. No. 48,447 the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

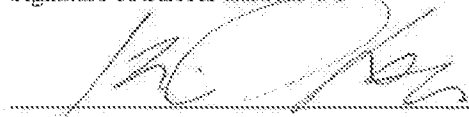
IN WITNESS WHEREOF, executed by the undersigned Inventor on the date opposite his name.

Date: 2015-12-24



Signature of Sherif ELSAFTY

Date: 2015-12-24



Signature of Kohmei HALADA

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