

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RYOSUKE HARADA	09/23/2014
	SHUNICHI NABEYA	09/23/2014
	TOSHIYUKI SHIGETOMI	09/23/2014
	MASAYUKI SAITO	09/29/2014
RECEIVING PARTY DATA		
Name:	TANAKA KIKINZOKU KOGYO K.K.	
Street Address:	7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	100-6422	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14396861
CORRESPONDENCE DATA		
Fax Number:	(609)921-9535	
<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>		
Phone:	609-921-3500	
Email:	RROBERTS@ROBERTSPATENT.COM	
Correspondent Name:	ROBERTS & ROBERTS, LLP, ATTORNEYS AT LAW	
Address Line 1:	P.O. BOX 484	
Address Line 4:	PRINCETON, NEW JERSEY 08542-0484	
ATTORNEY DOCKET NUMBER:	TAN-215	
NAME OF SUBMITTER:	RICHARD S. ROBERTS	
SIGNATURE:	/RICHARD S. ROBERTS/	
DATE SIGNED:	10/24/2014	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS the UNDERSIGNED, HARADA, Ryosuke, (and), NABEYA, Shunichi, (and), SHIGETOMI, Toshiyuki (and), SAITO, Masayuki citizen(s) of JAPAN, residing at c/o TANAKA KIKINZOKU KOGYO K.K. Tsukuba Technical Center, 22, Wadai, Tsukuba-shi, Ibaraki 300-4247 JAPAN ;has/have invented certain new and useful improvements(INVENTION)disclosed, shown, and described in an APPLICATION for Letters Patent of the United States entitled:

METHOD FOR RECYCLING ORGANIC RUTHENIUM COMPOUND FOR CHEMICAL VAPOR

DEPOSITION

said APPLICATION being executed concurrently herewith; and

WHEREAS, TANAKA KIKINZOKU KOGYO K.K.

a corporation of Japan, having an office at 7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-6422 Japan

(ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the INVENTION, in this and any foreign country, and in and to any Letters Patent of the United States or any foreign country which may be granted embracing the INVENTION.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, receipt of which is hereby acknowledged, the UNDERSIGNED by these presents, sells, assigns, and transfers unto ASSIGNEE, its legal representatives, successors, and assigns, the entire right, title and interest for the United States and all foreign countries, in and to the INVENTION, and in and to the said APPLICATION, and in and to any applications for Letters Patent which may have been or may be filed in any foreign country on said INVENTION, and in and to any and all priority rights generated by the filing of said APPLICATION in the United States or any foreign country, which may be granted covering the INVENTION, including any continuations, continuations-in-part, substitutions, divisions, reissues or renewals thereof, said Letters Patent whether of this country or any foreign country to be held and enjoyed by ASSIGNEE for its interest, for its own use and behoof, and for its legal representatives, successors, and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by UNDERSIGNED had this assignment and sale not been made.

I covenant and agree that I will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention, (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record, and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent based on said application and all said divisions, continuations,

continuations-in-part, reissues, renewals and extensions to said ASSIGNEE, its successors and assigns.

I authorize and empower the said ASSIGNEE, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full and legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said ASSIGNEE or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

IN WITNESS WHEREOF this assignment has been executed by UNDERSIGNED on the date opposite their name.

DATE 23/9/2014 Ryosuke Harada (LS)

HARADA, Ryosuke

Witness: SAGAE, TAKEYUKI

SAGAE, Takeyuki

DATE 23/9/2014 Shunichi Nabeya (LS)

NABEYA, Shunichi

Witness: SAGAE, TAKEYUKI

SAGAE, Takeyuki

DATE 23/9/2014 Toshiyuki Shigetomi (LS)

SHIGETOMI, Toshiyuki

Witness: SAGAE, TAKEYUKI

SAGAE, Takeyuki

DATE 29/9/2014 Masayuki Saito (LS)

SAITO, Masayuki

Witness: SAGAE, TAKEYUKI

SAGAE, Takeyuki