

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4794614

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF THE THIRD INVENTOR previously recorded on Reel 033792 Frame 0631. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
SHOICHI MATSUKUMA	09/19/2014
TOMOKAZU ISHIKAWA	09/16/2014
TATSUO KUROSAWA	09/16/2014
RECEIVING PARTY DATA	
Name:	WAKO PURE CHEMICAL INDUSTRIES, LTD.
Street Address:	1-2, DOSHOMACHI 3-CHOME, CHUO-KU
City:	OSAKA-SHI, OSAKA
State/Country:	JAPAN
Postal Code:	540-8605
Name:	KANAGAWA PREFECTURAL HOSPITAL ORGANIZATION
Street Address:	1-2, HONCHO, NAKA-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	231-0005
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14387150
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<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:	(312) 616-5600
Email:	mgreer@leydig.com
Correspondent Name:	JOHN KILYK, JR.
Address Line 1:	LEYDIG, VOIT & MAYER, LTD.
Address Line 2:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 4:	CHICAGO, ILLINOIS 60601-6731
ATTORNEY DOCKET NUMBER:	718609

NAME OF SUBMITTER:	JOHN KILYK, JR.
SIGNATURE:	/John Kilyk, Jr./
DATE SIGNED:	01/25/2018
Total Attachments: 4 source=Original cover sheet#page1.tif source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3033077

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHOICHI MATSUKUMA	09/19/2014
TOMOKAZU ISHIKAWA	09/16/2014
TATSUO KOROSAWA	09/16/2014
RECEIVING PARTY DATA	
Name:	WAKO PURE CHEMICAL INDUSTRIES, LTD.
Street Address:	1-2, DOSHOMACHI 3-CHOME, CHUO-KU
City:	OSAKA-SHI, OSAKA
State/Country:	JAPAN
Postal Code:	540-8605
Name:	KANAGAWA PREFECTURAL HOSPITAL ORGANIZATION
Street Address:	1-2, HONCHO, NAKA-KU
City:	YOKOHAMA-SHI, KANAGAWA
State/Country:	JAPAN
Postal Code:	231-0005
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14387150
CORRESPONDENCE DATA	
Fax Number:	(312)616-5700
<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:	(312) 616-5600
Email:	assignments@leydig.com
Correspondent Name:	JOHN KILYK, JR.
Address Line 1:	LEYDIG, VOIT & MAYER, LTD.
Address Line 2:	TWO PRUDENTIAL PLAZA, SUITE 4900
Address Line 4:	CHICAGO, ILLINOIS 60601-6731
ATTORNEY DOCKET NUMBER:	718609
NAME OF SUBMITTER:	JOHN KILYK, JR.
SIGNATURE:	/John Kilyk, Jr./

PATENT

REEL: 045150 FRAME: 0972

ASSIGNMENT

WHEREAS, I/WE

Shoichi MATSUKUMA, of 1-1-2, Nakao, Asahi-ku, Yokohama-shi, Kanagawa 241-0815, Japan

Tomokazu ISHIKAWA, of 6-1, Takada-cho, Amagasaki-shi, Hyogo, 661-0963, Japan,
and

Tatsuo KUROSAWA, of 6-1, Takada-cho, Amagasaki-shi, Hyogo, 661-0963, Japan
hereinafter referred to as Assignor, have invented a certain invention entitled:

METHOD FOR IDENTIFICATION AND DETECTION OF MUTANT GENE
USING INTERCALATOR

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on September 22, 2014, under U. S. Application No. 14/387,150, and

WHEREAS,

WAKO PURE CHEMICAL INDUSTRIES, LTD., of 1-2, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka, 540-8605, Japan; and

KANAGAWA PREFECTURAL HOSPITAL ORGANIZATION, of 1-2, Honcho, Naka-ku, Yokohama-shi, Kanagawa 231-0005, Japan

hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, the patents that may issue thereon, and the patents as may be modified as the result of applicable procedures (e.g., supplemental examinations, ex parte reexaminations, inter partes reexaminations, inter partes reviews, post-grant reviews, and oppositions),

Assignor conveys to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the

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Attorney Docket No. 718609

U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor authorizes Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date September 19, 2014


Assignor: Shoichi MATSUKUMA

Date _____

Witness: _____

Date _____

Witness: _____

In re Appln. of Matsukuma et al.
Attorney Docket No. 718609

Date September 16, 2014

Tomokazu Ishikawa
Assignor: Tomokazu ISHIKAWA

Date _____

Witness: _____

Date _____

Witness: _____

Date Sep. 16, 2014

Tatsuo Kurosawa
Assignor: Tatsuo KUROSAWA

Date _____

Witness: _____

Date _____

Witness: _____