502674153 02/10/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOSUKE SUMIDA	01/30/2014
HIROSHI AIBA	01/20/2014
HIROSHI KAWAMINAMI	01/23/2014
RIE HIRAO	01/10/2014
YUU UTASHIMA	01/20/2014
TAKAHIDE KISHIMOTO	01/09/2014
SHUSAKU YANAGIDANI	01/20/2014

RECEIVING PARTY DATA

Name:	TOYOBO CO., LTD.	
Street Address:	2-8, DOJIMA HAMA 2-CHOME, KITA-KU	
City:	OSAKA-SHI	
State/Country:	JAPAN	
Postal Code:	530-8230	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14176701	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 715831
PATENT

502674153 REEL: 032186 FRAME: 0099

NAME OF SUBMITTER:	JOHN KILYK, JR.
Signature:	/John Kilyk, Jr./
Date:	02/10/2014
Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif	

PATENT REEL: 032186 FRAME: 0100

ASSIGNMENT

WHEREAS, I/WE

- (1) Yosuke SUMIDA, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (2) Hiroshi AIBA, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (3) Hiroshi KAWAMINAMI, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (4) Rie HIRAO, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (5) Yuu UTASHIMA, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (6) Takahide KISHIMOTO, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;
- (7) Shusaku YANAGIDANI, c/o TOYO BOSEKI KABUSHIKI KAISHA Tsuruga Plant, 10-24, Toyo-cho, Tsuruga-shi, Fukui 9140047, Japan;

hereinafter referred to as Assignor, have invented a certain invention entitled:

NOVEL GLUCOSE DEHYDROGENASE

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on February 10, 2014, under U.S. Application No. 14/176,701, and

WHEREAS, TOYOBO CO., LTD. of 2-8, Dojima Hama 2-chome, Kita-ku, Osaka-shi, Osaka 5308230, 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 reviews, post-grant reviews, and oppositions),

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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 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 _	January 30, 2014	zosuke Jumda
433	The Control of Control	Assignor: Yosuke SUMIDA
Date _	January 30, 2014	Novimbe Famamura
	January 30, 2014	Witness:
Date _	The Control of the Co	Keiichi Majima
		Witness:

In re Appln. of Sumida et al. Attorney Docket No. 715831 Date Jan. 20, 2014 Seiji Takeshima Witness: Shuhei Yananot Date ______ January 20, 2014 January 20, 2014 Date Hiroshi Karoaminami Date _____ Jan. 23. 2014 Assignor: Hiroshi KAWAMINAMI Seiji Takeshina Witness: Shuhei Yamamo Co Date January 23, 2014 January 23, 2014 Date Witness: Date _____ Jan , 10 . 2014 Seijù Takishina Witness: Shuhei Yamamo To January 10, 2014 Date

Witness:

January 10, 2014

Date ___

	opln. of Sumida et al. y Docket No. 715831	
Date	Jan. 20. 2014	Yun Utashima Assignor: Yuu UTASHIMA
Date	January 20, 2014	
Date	January 20, 2014	Seiji Takeshina Witness: Shuhei Yamamoto Witness:
		wimess:
Date	Jan. 9, 2014	Jakalude Kishimoto Assignor: Takahide KISHIMOTO
Date	January 9, 2014	Leiji Fakeshima
Date	January 9, 2014	Seiji Fakeshimer Witness: Shuher yamamoto Witness:
Date	Jan. 20. 2014	<u>Shusaku Janagidani</u> Assignor: Shusaku YANAGIDANI
D (January 20, 2014	Assignor: Shusaku TANAOIDANI

Witness:

Witness:

Leydig, Voit & Mayer

RECORDED: 02/10/2014

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