

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAKIKO YOSHIMOTO	05/19/2017
HIDEO AKIYAMA	05/23/2017
HITOSHI NOBUMASA	05/24/2017
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<b>Property Type</b>	<b>Number</b>
Application Number:	16048695
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<b>SIGNATURE:</b>	/Christopher H. Blaszkowski/
<b>DATE SIGNED:</b>	02/16/2022
<b>Total Attachments: 2</b>	
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source=TORT-100US2 - Assignment#page2.tif	

<b>COMBINED DECLARATION/ASSIGNMENT - Patent Application</b>		Docket Number: <u>TORT-100US1</u>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Makiko Yoshimoto	2. Hideo Akiyama
	3. Hitoshi Nobumasa	4.
	5.	6.
made an invention entitled: <u>SOLUTION FOR EXTRACTION OF RNA</u>		
for which an application for Letters Patent of the United States (the Application): (Select one of the following):		
<input type="checkbox"/> is submitted concurrently herewith <input checked="" type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>April 28, 2017</u> , as U.S. Patent Application Serial No.: <u>15//581,344</u>		
ASSIGNEE (Full Name and Address)	<b>Toray Industries, Inc.</b> <b>1-1 Nihonbashi Muromachi 2-chome</b> <b>Chuo-ku</b> <b>Tokyo 1038666</b> <b>Japan</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including the Application, all divisions, continuations, and continuations-in-part thereof and non-provisional applications claiming priority thereto, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto and authorizes Assignee to file such applications for Letters Patent in the United States and any and all other countries.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.</p> <p>Assignor authorizes Assignee's attorney to insert the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p>		

**COMBINED DECLARATION/ASSIGNMENT -  
Patent Application**

Docket Number: TORT-100US1

**Declaration:**

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

As a below named inventor, I declare that the Application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	Typed or Printed Name	Signature	Date
SIGNATURE	1. Makiko Yoshimoto	<i>Makiko Yoshimoto</i>	<i>May 19, 2017</i>
		* Witness	
	2. Hideo Akiyama	<i>Hideo Akiyama</i>	<i>May 23, 2017</i>
		* Witness	
	3. Hitoshi Nobumasa	<i>Hitoshi Nobumasa</i>	<i>May 24, 2017</i>
		* Witness	
	4.		
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	5.		
		* Witness	
	6		
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**Application for United States Letters Patent:**

Serial No.: 15/581,344

Filed: April 28, 2017

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Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries