

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TATSUMI YAMAZAKI	04/24/2014
HISAFUMI OKABE	04/28/2014
SHINTA KOBAYASHI	05/19/2014
TAKESHI WATANABE	04/28/2014
KOICHI MATSUBARA	05/26/2014
ATSUHIKO KATO	05/08/2014
MASAMI SUZUKI	04/28/2014
RECEIVING PARTY DATA	
Name:	CHUGAI SEIYAKU KABUSHIKI KAISHA
Street Address:	5-1, UKIMA 5-CHOME, KITA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1158543
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14343364
PCT Number:	JP2012072852
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	6235-92657-01
NAME OF SUBMITTER:	SUSAN ALPERT SIEGEL
SIGNATURE:	/Susan Alpert Siegel/

PATENT

DATE SIGNED:	08/27/2014
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Total Attachments: 5

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ASSIGNMENT

WHEREAS, we, Tatsumi Yamazaki of Tokyo, Japan, Hisafumi Okabe of Shizuoka, Japan, Shinta Kobayashi of Helios, Singapore, Takeshi Watanabe of Shizuoka, Japan, Koichi Matsubara of Helios, Singapore, Atsuhiko Kato of Shizuoka, Japan, and Masami Suzuki of Shizuoka, Japan, have invented a certain invention, entitled CANCER STEM CELL ISOLATION, for which the following patent applications have been filed, and are collectively referred to as "the patent applications":

Japanese Application No. 2011-194643, filed on September 7, 2011;

Japanese Application No. 2012-091135, filed on April 12, 2012;

International Application No. PCT/JP2012/072852, filed on September 7, 2012; and

U.S. Application No. 14/343,364, filed on March 6, 2014.

WHEREAS, CHUGAI SEIYAKU KABUSHIKI KAISHA, a corporation organized under the laws of Japan, having a place of business at 5-1, Ukima 5-chome, Kita-ku, Tokyo, 1158543 JAPAN, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Tatsumi Yamazaki, Hisafumi Okabe, Shinta Kobayashi, Takeshi Watanabe, Koichi Matsubara, Atsuhiko Kato, and Masami Suzuki, hereby sell, assign, and transfer to CHUGAI SEIYAKU KABUSHIKI KAISHA, the full and exclusive right, title, and interest in and to said invention, patent applications, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent applications, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by CHUGAI SEIYAKU KABUSHIKI KAISHA, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will

communicate to CHUGAI SEIYAKU KABUSHIKI KAISHA, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid CHUGAI SEIYAKU KABUSHIKI KAISHA, its successors, and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the invention to CHUGAI SEIYAKU KABUSHIKI KAISHA.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

At Tokyo, Japan
(City and Country)
on this 24 day of Apr, 2014.

Tatsumi Yamazaki
Tatsumi Yamazaki

This 24 day of April, 2014, before me personally came the above-named Tatsumi Yamazaki, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Tatsumi Yamazaki's own free will for the purpose set forth therein.

Witnessed by: Yutaka Tanaka
Printed Name: Yutaka Tanaka

Hisafumi Okabe

Hisafumi Okabe

At Shizuoka, Japan
(City and Country)

on this 28th day of April, 2014.

This 28th day of April, 2014, before me personally came the above-named Hisafumi Okabe, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Hisafumi Okabe's own free will for the purpose set forth therein.

Witnessed by:

Kazumi Morikawa

Printed Name:

KAZUMI MORIKAWA

Shinta Kobayashi

Shinta Kobayashi

At Princeton USA
(City and Country)

on this 19 day of May, 2014.

This 19 day of May, 2014, before me personally came the above-named Shinta Kobayashi, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Shinta Kobayashi's own free will for the purpose set forth therein.

Witnessed by:

Suzanne Christen

Printed Name:

Suzanne Christen

At Shizuoka, Japan
(City and Country)
on this 28 day of Apr, 2014.

Takeshi Watanabe
Takeshi Watanabe

This 28 day of Apr, 2014, before me personally came the above-named Takeshi Watanabe, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Takeshi Watanabe's own free will for the purpose set forth therein.

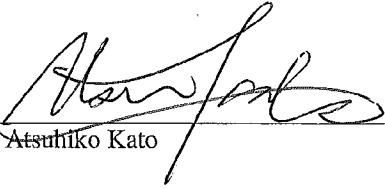
Witnessed by: Kaori Isobe
Printed Name: Kaori Isobe

At Synapse, Singapore
(City and Country)
on this 26th day of May, 2014.

Koichi Matsubara
Koichi Matsubara

This 26th day of May, 2014, before me personally came the above-named Koichi Matsubara, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Koichi Matsubara's own free will for the purpose set forth therein.

Witnessed by: [Signature]
Printed Name: GWANNA CHEONG

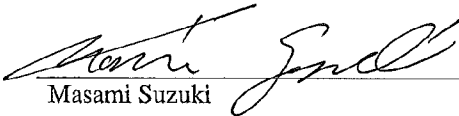


Atsuhiko Kato

At Shizuoka, Japan
(City and Country)
on this 8th day of May, 2014.

This 8th day of May, 2014, before me personally came the above-named Atsuhiko Kato, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Atsuhiko Kato's own free will for the purpose set forth therein.

Witnessed by: Harumi Oribe
Printed Name: Harumi Oribe



Masami Suzuki

At Gotemba, Japan
(City and Country)
on this 28th day of April, 2014.

This 28th day of April, 2014, before me personally came the above-named Masami Suzuki, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Masami Suzuki's own free will for the purpose set forth therein.

Witnessed by: Harumi Oribe
Printed Name: Harumi Oribe