

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HISASHI NARIMATSU	02/26/2013
AKIRA TOGAYACHI02/26/2013	02/26/2013
YUZURU IKEHARA	02/07/2013
HIROYUKI KAJI	02/26/2013
ATSUSHI KUNO	02/26/2013
TAKASHI OHKURA	02/28/2013
HIDEKI MATSUZAKI	03/01/2013
YOSHITOSHI HIRAO	03/01/2013
JUN IWAKI	02/28/2013
MINAKO ABE	02/28/2013
MASAHARU NOMURA	03/13/2013
MASAYUKI NOGUCHI	03/05/2013
RECEIVING PARTY DATA	
Name:	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY
Street Address:	3-1, KASUMIGASEKI 1-CHOME
Internal Address:	CHIYODA-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8921
Name:	TOKYO MEDICAL UNIVERSITY
Street Address:	1-1, SHINJUKU 6-CHOME
Internal Address:	SHINJUKU-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	160-8402
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15620214

CORRESPONDENCE DATA**Fax Number:** (302)984-6399*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.***Phone:** 302-984-6343**Email:** rsipple@mccarter.com**Correspondent Name:** MCCARTER & ENGLISH, LLP**Address Line 1:** RENAISSANCE CENTRE**Address Line 2:** 405 N. KING STREET, 8TH FLOOR**Address Line 4:** WILMINGTON, DELAWARE 19801

ATTORNEY DOCKET NUMBER:	119244-00124
NAME OF SUBMITTER:	BASIL S. KRIKELIS
SIGNATURE:	/Basil S. Krikelis/
DATE SIGNED:	06/12/2017

Total Attachments: 10

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Attorney's Docket No.: 119244-2003

Assignment of Application

WHEREAS, I (WE)

Hisashi NARIMATSU, Akira TOGAYACHI, Yuzuru IKEHARA, Hirovuki KAJI, Atsushi KUNO, Takashi OHKURA, Hideki MATSUZAKI, Yoshitoshi HIRAO, Jun IWAKI and Minako ABE of c/o National Institute of Advanced Industrial Science and Technology, Tsukuba Central 2, 1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568, Japan,

Masaharu NOMURA of c/o Tokyo Medical University, 1-1, Shinjuku 6-chome, Shinjuku-ku, Tokyo 160-8402 Japan and

Masayuki NOGUCHI of c/o Graduate School of Comprehensive Human Sciences, University of Tsukuba, 1-1-1, Tennodai, Tsukuba-shi, Ibaraki 305-8577 Japan

....., respectively,

have invented certain new and useful improvements in:

LUNG CANCER DIFFERENTIAL MARKER

for which an application for Letters Patent was executed on
(Application No. PCT/JP2011/070635, filed September 9, 2011), and

WHEREAS,

NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY and TOKYO MEDICAL UNIVERSITY

(hereinafter referred to as "ASSIGNEE") having a place of business at:
3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan and
1-1, Shinjuku 6-chome, Shinjuku-ku, Tokyo 160-8402 Japan

is(are) desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent

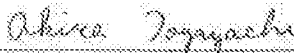
which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any official of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) 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 me (us) had this Assignment and sale not been made.

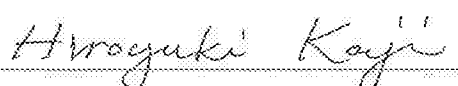
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE(S) or its(their) legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.


The undersigned hereby grant(s) the firm of **McCARTER & ENGLISH, LLP** of Renaissance Centre, 405 N. King Street, 8th Floor Wilmington, DE 19801 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: Feb. 26, 2013 
 (Signature of inventor) **Hisashi NARIMATSU**

Date: Feb 26, 2013 
 (Signature of inventor) **Akira TOGAYACHI**

Date: Feb 07, 2013 
(Signature of inventor) Yuzuru IKEHARA

Date: Feb. 26, 2013 
(Signature of inventor) Hiroyuki KAJI

Date: Feb. 26, 2013 
(Signature of inventor) Atsushi KUNO

Date: _____
(Signature of inventor) Takashi OHKURA

Date: _____
(Signature of inventor) Hideki MATSUZAKI

Date: _____
(Signature of inventor) Yoshitoshi HIRAO

Date: _____
(Signature of inventor) Jun IWAKI

Date: _____
(Signature of inventor) Minako ABE

Date: _____
(Signature of inventor) Yuzuru IKEHARA

Date: _____
(Signature of inventor) Hiroyuki KAJI

Date: _____
(Signature of inventor) Atsushi KUNO

Date: Feb. 28, 2013
(Signature of inventor) 大倉隆司
(Signature of inventor) Takashi OHKURA

Date: _____
(Signature of inventor) Hideki MATSUZAKI

Date: _____
(Signature of inventor) Yoshitoshi HIRAO

Date: _____
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Date: _____
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Date: _____
(Signature of inventor) Hiroyuki KAJI

Date: _____
(Signature of inventor) Atsushi KUNO

Date: _____
(Signature of inventor) Takashi OHKURA

Date: Mar. 7. 2013 _____
(Signature of inventor) Hideki Matsuzaki
(Signature of inventor) Hideki MATSUZAKI

Date: _____
(Signature of inventor) Yoshitoshi HIRAO

Date: _____
(Signature of inventor) Jun IWAKI

Date: _____
(Signature of inventor) Minako ABE

Date: _____
(Signature of inventor) Yuzuru IKEHARA

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(Signature of inventor) Hiroyuki KAJI

Date: _____
(Signature of inventor) Atsushi KUNO

Date: _____
(Signature of inventor) Takashi OHKURA

Date: _____
(Signature of inventor) Hideki MATSUZAKI

Date: Mar. 1, 2013 _____
(Signature of inventor) Yoshitoshi HIRAO
(Signature of inventor) Yoshitoshi HIRAO

Date: _____
(Signature of inventor) Jun IWAKI

Date: _____
(Signature of inventor) Minako ABE

Date: _____
(Signature of inventor) Yuzuru IKEHARA

Date: _____
(Signature of inventor) Hiroyuki KAJI

Date: _____
(Signature of inventor) Atsushi KUNO

Date: _____
(Signature of inventor) Takashi OHKURA

Date: _____
(Signature of inventor) Hideki MATSUZAKI

Date: _____
(Signature of inventor) Yoshitoshi HIRAO

Date: Feb. 28. 2013
(Signature of inventor) *Jun Iwaki*
Jun IWAKI

Date: _____
(Signature of inventor) Minako ABE

Date: _____
(Signature of inventor) Yuzuru IKEHARA

Date: _____
(Signature of inventor) Hiroyuki KAJI

Date: _____
(Signature of inventor) Atsushi KUNO

Date: _____
(Signature of inventor) Takashi OHKURA

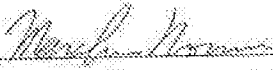
Date: _____
(Signature of inventor) Hideki MATSUZAKI

Date: _____
(Signature of inventor) Yoshitoshi HIRAO

Date: _____
(Signature of inventor) Jun IWAKI

Date: Feb. 28. 2013
(Signature of inventor) *Minako Abe*
Minako ABE

Date: Mar. 13 2013


(Signature of inventor) Masaharu NOMURA

Date: _____

(Signature of inventor) Masayuki NOGUCHI

Date: _____

(Signature of inventor) Masaharu NOMURA

Date: Mar. 5. 2013

Masayuki Noguchi
(Signature of inventor) Masayuki NOGUCHI