PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4509133

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SRINIVAS CHUKKA	08/14/2013
OLCAY SERTEL	08/14/2013
ANINDYA SARKAR	08/14/2013
BIKASH SABATA	08/14/2013
SUHAS H. PATIL	08/23/2013
SUJIT SIDDHESHWAR CHIVATE	08/23/2013

RECEIVING PARTY DATA

Name:	VENTANA MEDICAL SYSTEMS, INC.
Street Address:	1910 E. INNOVATION PARK DRIVE
City:	TUCSON
State/Country:	ARIZONA
Postal Code:	85755

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14776571

CORRESPONDENCE DATA

Fax Number:	(925)225-1128

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:	925-251-6812
Email:	erica.layman@contractors.roche.com
Correspondent Name:	ERICA LAYMAN
Address Line 1:	4300 HACIENDA DRIVE
Address Line 2:	PATENTS
Address Line 4:	PLEASANTON, CALIFORNIA 94588

ATTORNEY DOCKET NUMBER:	31616-US1
NAME OF SUBMITTER:	OLGA KAY
SIGNATURE:	/Olga Kay/
DATE SIGNED:	07/18/2017

Total Attachments: 9
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ASSIGNMENT BY INVENTORS

This Assignment is by the following individuals (the "Assignors"):

- Srinivas Chukka having a mailing address of ~~1401 Little Oak Circle~~, San Jose, California 95129; *1045 Oaktree Drive*
- Olcay Sertel having a mailing address of 1000 Escalon Ave. Apt. 207, Sunnyvale, California 94085;
- Anindya Sarkar having a mailing address of 655 S Fair Oaks Ave, Apt. I 209, Sunnyvale, California 94086;
- Bikash Sabata having a mailing address of 10535 San Felipe Rd., Cupertino, California 95014;
- Suhas H. Patil having a mailing address of F-202, Wonder City,, Katraj-Dehuroad Bypass, Katraj, Pune-411046, INDIA;
- Sujit Siddheshwar Chivate having a mailing address of 19/B, Abasaheb Raikar Nagar, Dhareshwar Hsg. Soci. Flat No-17. Dhayari, Pune-411041, INDIA.

The Assignors invented one or more certain inventions (the "Invention(s)") described in an application for Letters Patent of the United States titled TISSUE OBJECT-BASED MACHINE LEARNING SYSTEM FOR AUTOMATED SCORING OF DIGITAL WHOLE SLIDES, and filed on March 15, 2013 as U.S. Application No. 61/802,239 (the "Application").

Ventana Medical Systems, Inc., a Corporation of Delaware having its principal place of business at 1910 E. Innovation Park Drive, Tucson, Arizona 85755 (the "Assignee"), desire to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors,

Title: TISSUE OBJECT-BASED MACHINE LEARNING
SYSTEM FOR AUTOMATED SCORING OF DIGITAL
WHOLE SLIDES
U.S. Application No. 61/802,239
79687-8030.US00/LEGAL26626948.1

1

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legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deem necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Invention(s) to Assignee. This Assignment may be executed in counterparts.

Title: TISSUE OBJECT-BASED MACHINE LEARNING
SYSTEM FOR AUTOMATED SCORING OF DIGITAL
WHOLE SLIDES
U.S. Application No. 61/802,239
79687-8030.US00/LEGAL26626948.1

2

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For Ventana Medical Systems, Inc.:

Date: 4-Sep-2013   Signature _R.D.Schmidt_
                                   Authorized Signer

                          Richard D. Schmidt
                          Authorized Signer – Printed Name

                          Sr Patent & Trademark Counsel
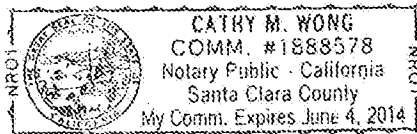   Authorized Signer – Title

_____
Srinivas Chukka

Date: _August 14TH 2013_

United States of America   )
State of _California_   ) ss.:
County of _USA_   )

On this __14th__ day of __August__ , __2013__ , before me
personally came _____Srinivas Chukka_____ , to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

_____
Notary Public

Title: TISSUE OBJECT-BASED MACHINE LEARNING
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WHOLE SLIDES
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79687-8030.US00/LEGAL26626948.1

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_____
Olcay Sertel

Date: 8/14/2013
_____

United States of America   )
State of   California   ) ss.:
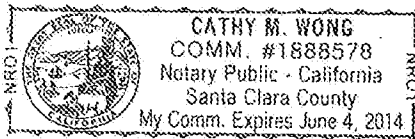County of   USA   )

On this   14th   day of   August   ,   2013   , before me
personally came   Olcay Sertel   , to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
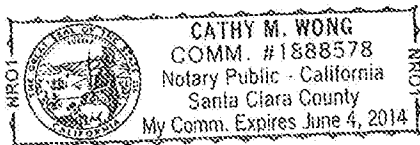of the same.

_____
Notary Public

Title: TISSUE OBJECT-BASED MACHINE LEARNING
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79687-8030.US00/LEGAL26626948.1

5

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_____
                                    Anindya Sarkar

Date: _August 14th, 2013_____

United States of America   )
State of _California_____   ) ss.:
County of _USA_____   )

On this ___14th___ day of ___August___, ___2013___, before me
personally came _____Anindya Sarkar_____, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

_____
Notary Public

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79687-8030.US00/LEGAL26626948.1

6

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_____
Bikash Sabata

Date: 8/14/2013

United States of America)
State of California) ss.:
County of USA)

On this 14th day of August, 2015, before me personally came Bikash Sabata, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

_____
Notary Public

Title: TISSUE OBJECT-BASED MACHINE LEARNING
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7

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Suhas Patil (signature)
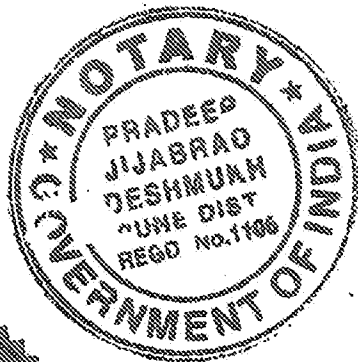
_____
Suhas H. Patil

Date: _23 August, 2013_

United States of America)
State of _Maharashtra_) ss.:
County of _INDIA_)

On this _23rd_ day of _August_ , _2013_ , before me
personally came _____ Suhas H. Patil _____ , to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

23 AUG 2013

Notary Public

ATTESTED

PRADEEP J. DESHMUKH
NOTARY
GOVT OF INDIA
PUNE DISTRICT

23/8/13

(Notary seal: NOTARY * GOVERNMENT OF INDIA * PRADEEP JIJABRAO DESHMUKH PUNE DIST REGD No.1106)

23 AUG 2013

Title: TISSUE OBJECT-BASED MACHINE LEARNING
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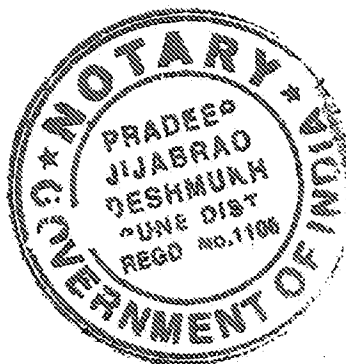_____
Sujit Siddheshwar Chivate

Date: 23 August 2013

United States of America)
State of Maharashtra) ss.:
County of INDIA.)

On this 23rd day of August, 2013, before me
personally came Sujit Siddheshwar Chivate, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

23 AUG 2013

_____
Notary Public

ATTESTED

PRADEEP J. DESHMUKH
NOTARY
GOVT. OF INDIA   23/8/13
PUNE DISTRICT

23 AUG 2013

Title: TISSUE OBJECT-BASED MACHINE LEARNING
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9

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