

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3069621

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT KAVALER	08/13/2009
KARRIC KWONG	08/13/2009
PRAVIN VARAIYA	08/13/2009
RAM RAJAGOPAL	08/13/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SENSYS NETWORKS
<b>Street Address:</b>	1608 FOURTH STREET, SUITE 200
<b>City:</b>	BERKELEY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94710
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12506132
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)309-0457
<i>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.</i>	
<b>Phone:</b>	510-292-8328
<b>Email:</b>	ewj@ix.netcom.com
<b>Correspondent Name:</b>	EARLE JENNINGS
<b>Address Line 1:</b>	P.O. BOX 660
<b>Address Line 4:</b>	SOMERSET, CALIFORNIA 95684
<b>ATTORNEY DOCKET NUMBER:</b>	SNSN-009C
<b>NAME OF SUBMITTER:</b>	EARLE JENNINGS
<b>SIGNATURE:</b>	/Earle Jennings/
<b>DATE SIGNED:</b>	10/17/2014
<b>Total Attachments: 9</b>	
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT OF PATENT**

WHEREAS, Robert Kavalier, a United States citizen and Karric Kwong a United States citizen have invented certain new and useful improvements in a METHOD AND APPARATUS GENERATING AND/OR USING ESTIMATES OF ARTERIAL VEHICULAR MOVEMENT for which an application for a United States Application Serial Number 12/506,132 was filed on July 20, 2009.

Whereas, Sensys Networks, a corporation of the state of California, with principle business address at 2560 Ninth Street, Suite 219, Berkeley, CA 94710, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to the United States Letters Patent thereon, when granted, and in and to any and all improvements thereon;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:**

BE IT KNOWN that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said Robert Kavalier and Karric Kwong, by these presents do sell, assign, and transfer unto said Sensys Networks, our entire right title and interest in and to any and all Letters Patent for the whole of the United States and each and every foreign country to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof, and in and to any and all improvements thereon.

THE SAME TO BE HELD and enjoyed by Sensys Networks, it's successors and assigns, for their own use, to the full term for which the said Letters Patent may or shall be granted, as fully and entirely as the same might or could have been enjoyed by us had this Assignment and sale not been made.

AND WE HEREBY AUTHORIZE and request the commissioner of Patents and Trademarks to issue said United States Letters Patent on our said invention, when granted, unto our said Assignee, Sensys Networks, in accordance with this assignment.

Executed this 13 day of August, 2009, at Berkeley, CA.

Robert A. Kavalier  
Robert Kavalier

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Executed this 13 day of August, 2009, at Berkeley, CA.

Karric Kwong  
Karric Kwong

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ACKNOWLEDGMENT

State of California
County of Alameda } ss.

On August 13, 2009 before me, Tarang Malik
Notary Public, personally appeared Robert Kawaler and Kessie Kwong

who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

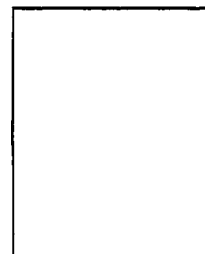


Tarang Malik
Signature

OPTIONAL INFORMATION

Date of Document
Type or Title of Document
Number of Pages in Document
Document in a Foreign Language

Thumbprint of Signer



Type of Satisfactory Evidence:
Personally Known with Paper Identification
Paper Identification
Credible Witness(es)

Capacity of Signer:
Trustee
Power of Attorney
CEO / CFO / COO
President / Vice-President / Secretary / Treasurer
Other:

Check here if
no thumbprint
or fingerprint
is available.

Other Information:

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT OF PATENT**

WHEREAS, Karric Kwong, a United States citizen, Robert Kavalier a United States citizen, Pravin Varaiya, a United States citizen, and Ram Rajagopal United States citizen, have invented certain new and useful improvements in a METHOD AND APPARATUS GENERATING ESTIMATES VEHICULAR MOVEMENT INVOLVING MULTIPLE INPUT-OUTPUT ROADWAY NODES for which an application for a United States Application Serial Number 12/506,172 was filed on July 20, 2009.

Whereas, Sensys Networks, a corporation of the state of California, with principle business address at 2560 Ninth Street, Suite 219, Berkeley, CA 94710, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to the United States Letters Patent thereon, when granted, and in and to any and all improvements thereon;


NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said Karric Kwong, Robert Kavalier, Pravin Varaiya, and Ram Rajagopal, by these presents do sell, assign, and transfer unto said Sensys Networks, our entire right title and interest in and to any and all Letters Patent for the whole of the United States and each and every foreign country to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof, and in and to any and all improvements thereon.

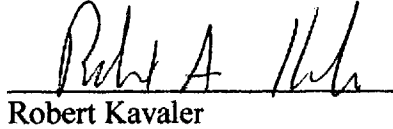
THE SAME TO BE HELD and enjoyed by Sensys Networks, it's successors and assigns, for their own use, to the full term for which the said Letters Patent may or shall be granted, as fully and entirely as the same might or could have been enjoyed by us had this Assignment and sale not been made.

AND WE HEREBY AUTHORIZE and request the commissioner of Patents and Trademarks to issue said United States Letters Patent on our said invention, when granted, unto our said Assignee, Sensys Networks, in accordance with this assignment.

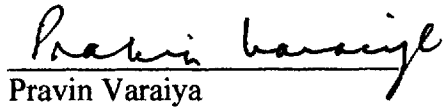
Executed this 13 day of August, 2009, at Berkeley, CA.

  
Karrie Kwong

Executed this 13 day of August, 2009, at Berkeley.

  
Robert Kavalier

Executed this 13 day of August, 2009, at Berkeley CA.

  
Pravin Varaiya

Executed this 13<sup>th</sup> day of August, 2009, at Berkeley, CA.

  
Ram Rajagopal

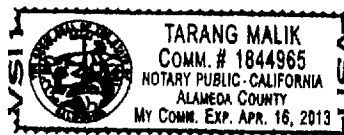
ACKNOWLEDGMENT

State of California  
County of Alameda } ss.

On August 13, 2009 before me, Tarang Malik  
Notary Public, personally appeared Karic Kwong, Robert Kwaler, Pravin Varaiya  
and Ram Raja Gopal  
who proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) ~~is/are~~ subscribed to the within instrument and acknowledged to me that  
~~he/she/it~~ they executed the same in ~~his/her/their~~ authorized capacity(ies), and that by  
~~his/her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of  
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

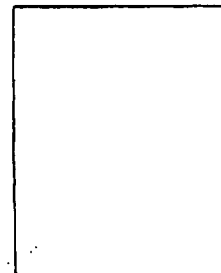


Tarang Malik  
Signature

OPTIONAL INFORMATION

Date of Document \_\_\_\_\_  
Type or Title of Document \_\_\_\_\_  
Number of Pages in Document \_\_\_\_\_  
Document in a Foreign Language \_\_\_\_\_

Thumbprint of Signer



Type of Satisfactory Evidence:  
\_\_\_\_ Personally Known with Paper Identification  
\_\_\_\_ Paper Identification  
\_\_\_\_ Credible Witness(es)

Capacity of Signer:  
\_\_\_\_ Trustee  
\_\_\_\_ Power of Attorney  
\_\_\_\_ CEO / CFO / COO  
\_\_\_\_ President / Vice-President / Secretary / Treasurer  
\_\_\_\_ Other: \_\_\_\_\_

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or fingerprint  
is available.

Other Information: \_\_\_\_\_



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ASSIGNMENT OF PATENT**

WHEREAS, Karric Kwong, a United States citizen, Robert Kavalier a United States citizen, Ram Rajagopal, a United States citizen, and Pravin Varaiya, a United States citizen, have invented certain new and useful improvements in a METHOD AND APPARATUS MATCHING INCOMING TO OUTGOING VEHICLE SIGNATURES TO ESTIMATE ARTERIAL VEHICULAR MOVEMENT for which an application for a United States Application Serial Number 12/506,182 was filed on July 20, 2009.

Whereas, Sensys Networks, a corporation of the state of California, with principle business address at 2560 Ninth Street, Suite 219, Berkeley, CA 94710, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to the United States Letters Patent thereon, when granted, and in and to any and all improvements thereon;

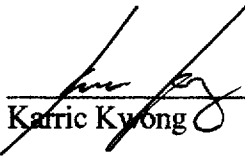
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said Karric Kwong, Robert Kavalier, Ram Rajagopal, and Pravin Varaiya, by these presents do sell, assign, and transfer unto said Sensys Networks, our entire right title and interest in and to any and all Letters Patent for the whole of the United States and each and every foreign country to be obtained therefore on said application or any continuation, division, renewal, substitute, or reissue thereof, and in and to any and all improvements thereon.

THE SAME TO BE HELD and enjoyed by Sensys Networks, it's successors and assigns, for their own use, to the full term for which the said Letters Patent may or shall be granted, as fully and entirely as the same might or could have been enjoyed by us had this Assignment and sale not been made.

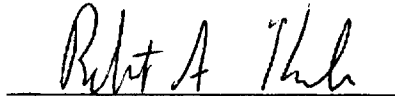
AND WE HEREBY AUTHORIZE and request the commissioner of Patents and Trademarks to issue said United States Letters Patent on our said invention, when granted, unto our said Assignee, Sensys Networks, in accordance with this assignment.

Executed this 13 day of August, 2009, at Berkeley, CA.

  
Karrie Kwong

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Executed this 13 day of August, 2009, at Berkeley, CA.

  
Robert Kavalier

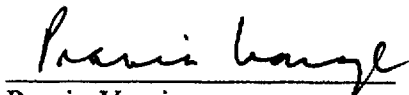
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Executed this 13<sup>th</sup> day of August, 2009, at Berkeley, CA.

  
Ram Rajagopal

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Executed this 13 day of August, 2009, at Berkeley, CA.

  
Pravin Varaiya

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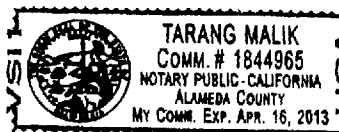
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~~he~~ they executed the same in ~~his~~ ~~her~~ their authorized capacity(ies), and that by  
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 \_\_\_\_\_ Other: \_\_\_\_\_

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