

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5895122

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK ANDERSON	06/26/2003
AJAY BANSAL	07/31/2001
BRAD DOCTOR	06/25/2001
GEORGE HADJIYIANNIS	08/20/2001
CHRISTOPHER HERRINGSHAW	08/19/2001
ELI E. KARPLUS	08/24/2001
DERALD MUNIZ	06/23/2001
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUOVA, INC.
<b>Street Address:</b>	303 TWIN DOLPHIN DRIVE
<b>Internal Address:</b>	SUITE 410
<b>City:</b>	REDWOOD CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94065
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	9413712
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)371-2540
<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>	202-371-2600
<b>Email:</b>	rhicks@sternekessler.com, lmiller@sternekessler.com
<b>Correspondent Name:</b>	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
<b>Address Line 1:</b>	1100 NEW YORK AVENUE, NW
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	4380.0370008
<b>NAME OF SUBMITTER:</b>	ROSS G. HICKS
<b>SIGNATURE:</b>	/Ross G. Hicks, #56,374/

<b>DATE SIGNED:</b>	01/06/2020
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**Total Attachments: 14**  
source=4380.0370008 mark anderson assignment#page1.tif  
source=4380.0370008 mark anderson assignment#page2.tif  
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source=4380.0370008 inventors assignment#page12.tif

# ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Mark Anderson; Ajay Bansal; Brad Doctor; George Hadjiyiannis; Christopher Herringshaw; Eli E. Karplus; Derald Muniz**

hereby sell, assign, and transfer to:

**Quova, Inc.**

a Corporation of Delaware, having a principal place of business at 303 Twin Dolphin Drive, Suite 410, Redwood City, California 94065 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 3, 2001, and assigned Application No. 09/825,675 and is entitled:

## **METHOD AND APPARATUS FOR ESTIMATING A GEOGRAPHIC LOCATION OF A NETWORKED ENTITY**

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

9/26/03   
Date Name: **Mark Anderson**

\_\_\_\_\_  
Date Name: **Ajay Bansal**

\_\_\_\_\_  
Date Name: **Brad Doctor**

\_\_\_\_\_  
Date Name: **George Hadjiyiannis**

\_\_\_\_\_  
Date Name: **Christopher Herringshaw**

\_\_\_\_\_  
Date Name: **Eli E. Karplus**

\_\_\_\_\_  
Date Name: **Derald Muniz**

\_\_\_\_\_  
Date Name:

\_\_\_\_\_  
Date Name:

\_\_\_\_\_  
Date Name:

\_\_\_\_\_  
Date Name:

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, CA 90025-1026  
Telephone: (408) 947-8200

Attorney's Docket

**ASSIGNMENT**

PATENT

No.: 004714.P001 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We

the undersigned, Mark Anderson, Ajay Bansal, Brad Doctor, George Hadjiyiannis,  
Christopher Herringshaw, Eli E. Karplus and Derald Muniz

hereby sell, assign, and transfer to Quova, Inc.

a corporation of Delaware, having a principal place of business at  
303 Twin Dolphin Dr., Suite 410, Redwood City, CA 94065, ("Assignee"),  
and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
United States and all foreign countries, in and to any and all improvements that are disclosed in  
the application for the United States patent that was filed April 3, 2001 and assigned  
Application No. 09/825,675 and is entitled

METHOD AND APPARATUS FOR ESTIMATING A GEOGRAPHIC

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and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on  
any of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions that have been or shall be issued in the United States and all  
foreign countries on said improvements; and in and to all rights of priority resulting from the  
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the  
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in  
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional  
applications, continuation applications, continued prosecution applications, continuation-in-part  
applications, substitute applications, renewal applications, reissue applications, reexaminations,  
extensions, and all other patent applications on any and all said improvements; execute all  
rightful oaths, assignments, powers of attorney, and other papers; communicate to said  
Assignee, its successors, assigns, and representatives all facts known to the undersigned  
relating to said improvements and the history thereof; and generally assist said Assignee, its  
successors, assigns, or representatives in securing and maintaining proper patent protection  
for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and  
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no  
assignment, grant, mortgage, license, or other agreement affecting the rights and property  
herein conveyed has been made to others by the undersigned, and that full right to convey the  
same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 20\_\_

Name: Mark Anderson

Date: 7/31, 2001

Ajay Bansal  
Name: Ajay Bansal

Date: \_\_\_\_\_, 20\_\_

Name: Brad Doctor

Date: \_\_\_\_\_, 20\_\_

Name: George Hadjiyiannis

Date: \_\_\_\_\_, 20\_\_

Name: Christopher Herringshaw

Date: \_\_\_\_\_, 20\_\_

Name: Eli E. Karplus

Date: \_\_\_\_\_, 20\_\_

Name: Derald Muniz

State of: \_\_\_\_\_ }

County of: \_\_\_\_\_ }

Assignment Document Return Address:  
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature

Attorney's Docket

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a corporation of Delaware, having a principal place of business at

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agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: Mark Anderson

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: Ajay Bansal

Date: 6-25, 2007

Name: Brad Doctor

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: George Hadjiyiannis

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: Christopher Herringshaw

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: Eli E. Karplus

Date: \_\_\_\_\_, 20 \_\_\_\_

Name: Derald Muniz

State of: \_\_\_\_\_ }

County of: \_\_\_\_\_ }

Assignment Document Return Address:

SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that \_executed it.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature



Attorney's Docket

**ASSIGNMENT**

**PATENT**

No.: 004714.P001 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We

the undersigned, Mark Anderson, Ajay Bansal, Brad Doctor, George Hadjiyiannis,

Christopher Herringshaw, Eli E. Karplus and Derald Muniz

hereby sell, assign, and transfer to Quova, Inc.

a corporation of Delaware, having a principal place of business at

303 Twin Dolphin Dr., Suite 410, Redwood City, CA 94065, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed April 3, 2001 and assigned Application No. 09/825,675 and is entitled

METHOD AND APPARATUS FOR ESTIMATING A GEOGRAPHIC

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and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Mark Anderson

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Ajay Bansal

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Brad Doctor

Date: Aug. 20, 2001 G. Hadjiyiannis  
Name: George Hadjiyiannis

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Christopher Herringshaw

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Eli E. Karplus

Date: \_\_\_\_\_, 20\_\_\_\_ Name: Derald Muniz

State of: MASSACHUSETTS } Assignment Document Return Address:  
County of: MIDDLESEX } SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this 20 day of AUGUST 2001, before me, MARIA T. SENSABLE,  
the undersigned Notary Public, personally appeared GEORGE HADJIYIANNIS

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that <sup>he</sup> executed it.  
WITNESS my hand and official seal.

Maria T. Sensable  
Notary's Signature

Maria T. Sensable, Notary Public  
My Commission Expires March 15, 2002

Attorney's Docket

**ASSIGNMENT**

PATENT

No.: 004714.P001 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We

the undersigned, Mark Anderson, Ajay Bansal, Brad Doctor, George Hadjiyiannis,  
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a corporation of Delaware, having a principal place of business at  
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and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
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METHOD AND APPARATUS FOR ESTIMATING A GEOGRAPHIC

LOCATION OF A NETWORKED ENTITY

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Date: \_\_\_\_\_, 20 \_\_\_\_\_

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Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: Ajay Bansal

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: Brad Doctor

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: George Hadjiyiannis

Date: AUG 19<sup>TH</sup>, 20 01

Name: CHRIS HERRINGSHAW  
Christopher Herringshaw

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: Eli E. Karplus

Date: \_\_\_\_\_, 20 \_\_\_\_\_

Name: Derald Muniz

State of: \_\_\_\_\_ }

Assignment Document Return Address:

County of: \_\_\_\_\_ }

SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that \_\_\_\_\_ executed it.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature

Attorney's Docket

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Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Mark Anderson

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Ajay Bansal

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Brad Doctor

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: George Hadjiyiannis

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Christopher Herringshaw

Date: 24 - August, 2001  Name: Eli E. Karplus

Date: \_\_\_\_\_, 20 \_\_\_\_ Name: Derald Muniz

State of: \_\_\_\_\_ }  
County of: \_\_\_\_\_ } SS. Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

[ ] personally known to me [ ] proved to me on the basis of satisfactory evidence to  
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WITNESS my hand and official seal.

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Notary's Signature

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Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: Mark Anderson

Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: Ajay Bansal

Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: Brad Doctor

Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: George Hadjiyiannis

Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: Christopher Herringshaw

Date: \_\_\_\_\_, 20 \_\_\_\_\_  
Name: Eli E. Karplus

Date: 6/23/2001, 20 \_\_\_\_\_  
*Derald Muniz*  
Name: Derald Muniz

State of: \_\_\_\_\_ }  
County of: \_\_\_\_\_ } SS. Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_, before me, \_\_\_\_\_,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

personally known to me  proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that executed it.  
WITNESS my hand and official seal.

\_\_\_\_\_  
Notary's Signature