# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
John D. Panelli	12/15/2006
Sesh Jalagam	12/15/2006
Alan Kin Chung Leung	12/15/2006

## **RECEIVING PARTY DATA**

Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11668932

#### **CORRESPONDENCE DATA**

Fax Number: (508)616-9661

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

farah.zafar@chapin-ip-law.com Email:

Correspondent Name: Barry W. Chapin, Esq.

Address Line 1: Chapin Intellectual Property Law, LLC Address Line 2: Westborough Office Park, 1700 W. Park Dr Westborough, MASSACHUSETTS 01581 Address Line 4:

ATTORNEY DOCKET NUMBER: EMC06-52(06515) NAME OF SUBMITTER: Barry W. Chapin, Esq.

**Total Attachments: 7** 

source=EMC06-52\_06515\_Assignment#page1.tif source=EMC06-52\_06515\_Assignment#page2.tif

REEL: 018829 FRAME: 0613

PATENT 500215776

source=EMC06-52\_06515\_Assignment#page3.tif source=EMC06-52\_06515\_Assignment#page4.tif source=EMC06-52\_06515\_Assignment#page5.tif source=EMC06-52\_06515\_Assignment#page6.tif source=EMC06-52\_06515\_Assignment#page7.tif

Express Mail Mailing Label No	
-------------------------------	--

## ASSIGNMENT

WHEREAS, we, John D. Panelli, Sesh Jalagam and Alan Kin Chung Leung have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled MAINTAINING AND USING USER-CREATED MAPPING HISTORY FOR NETWORK RESOURCE MAPPING, the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[]	was filed on as U.S. Application No;
[]	was patented under U.S. Patent Noon

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein:

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 12/15/06	_ Ofen D. Paelli
	Inventor's Signature
Print full name of first inventor:	John D. Panelli
Residence:	1578 Summerfield Drive
	Campbell, CA 95008
Citizenship:	United States of America
Mailing Address:	Same as above
On this 15th day of Becew	Santa Clara  Santa Clara  Lev, 2006, then personally appeared before me the atome through satisfactory evidence of identification [_]
employee identification card; [] dr	iver's license; [] (other) to be the person whose name is subscribed to the
foregoing Assignment and acknowled deed for the purposes therein contain	dged that he/she executed the same as his/her free act and
	Rojern Rao Badanidiyour
	Notary Public
	Print Name: RAJESH RAO BADAWIDIYOUR
	My Commission expires 01 / 10 / 2008
	Please see the attached
	Please see the attached EA-All purpose Acknowledgment

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	)
m. In alsome	ss.
County of Sauta Clay in	J
non:	Ss.  Pac Radanioly cor, Notary Public)  Name and Title of Officer (e.g., "Jane Doe, Notary Public")  Powe ((i)  Name(s) of Signer(s)  personally known to me
On 13 Th 128 C 2866 before me, 120	Name and Tritle of Officer (e.g., "Jane Doe, Notary Public")
Tolan David	Pavelli
personally appeared	Name(s) of Signer(s)
	☐ personally known to me ☐ proved to me on the basis of satisfactory evidence
RAJESH RAO BADANIDIYOOR COMM. \$ 1461593 HOTARY PUBLIC CULFORNA Som Michael County, 2018	to be the person(e) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/ehe/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(e) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
Wy Comm. Expires Jan to, 2008	WITNESS my hand and official seal.
	Bassan Promo kadamidis
	Rojem Reno Budanidiyos
	į į
OPTIC	NAL
Through the information below is not required by law, it may prove fraudulent removal and reattachment	valuable to persons relying on the document and could prevent
	NAL valuable to persons relying on the document and could prevent of this form to another document.  Assignment - Emc-06-515 Number of Pages:4
Description of Attached Document	
Tills or Type of Document: Pafewt / Jaint	Assignment - EMC-06-515
Time or Type of Document. 1 Section 1	
Document Date: 12/15/2006	Number of Pages:
•	<b>\$</b>
Signer(s) Other Than Named Above:	<del></del>
	<b>№</b> .
a to di a Olehen ed has Cleman	8
Capacity(les) Claimed by Signer	
Capacity(les) Claimed by Signer Signer's Name: John Dowid	Panelli
Capacity(les) Claimed by Signer Signer's Name: <u> </u>	Panelli Panelli Gright THUMBPRINT OF SIGNER
Capacity(les) Claimed by Signer  Signer's Name:	Pavelli  RIGHT THUMBERINT OF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Panelli  RIGHT THUMBPRINT OF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Panelli  RIGHT THUMBPRINT CF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Pavelli  RIGHT THURIBPRINT OF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Pavelli  RIGHT THUMBPRINT OF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Panelli  RIGHT THUMBPRINT OF SIGNER Top of thumb here
Capacity(les) Claimed by Signer  Signer's Name:	Panelli  RIGHT THUMBERINT OF SIGNER Top of thumb here

© 1999 National National National Association • 9350 De Soto Ave., P.O. Box 2402 • Chatsworth, CA 91313-2402 • www.nationalnolary.org

Prod. No. 5907 Reorder: Call Toll-Free 1-900-876-8827

PATENT/Joint Assignment Attorney Docket No.: EMC06-52(06515) EMC Docket No.: EMC-06-515

Date: 12/15/06	Inventor's Signature
Print full name of second inventor:	Sesh Jalagam
Residence:	936 Azure Street #84 Santa Clara, CA 94087
Citizenship:	India
Mailing Address:	Same as above
On this 15 th day of December,	2006, then personally appeared before me the
above-named Sesh Jalagam known to me throemployee identification card; driver's lice	ugh satisfactory evidence of identification []
to be t	he person whose name is subscribed to the he/she executed the same as his/her free act and
deed for the purposes therein contained.	Herane executed the same as morner new are and
	Rojern Rue Badanidiyorr Notary Public
	Print Name: RAJESH KAO BADANIDIYOOR
	My Commission expires <u>01/10/2008</u> Plesse see The attached  eA - All pur how Acknowledgment

## **CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California	)
County of Sauta Clara	} ss.
On 15 th Dec, 2006 before me,	Rajesh Ras Badandiyor Notary
personally appeared シュット てん	lagam
	JName(s) of Signer(s)
	□ personally known to me ➡ proved to me on the basis of satisfactory evidence
A CARAMINYON	Name and Title of Officer (e.g., "Jane Doe, Notary Public")  Company  Name (s) of Signer(s)  personally known to me proved to me on the basis of satisfactory evidence  to be the person(e) whose name(e) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(iee), and that by his/her/their signature(e) on the instrument the person(e), or the entity upon behalf of which the person(e) acted, executed the instrument.  WITNESS my hand and official seal.  Race Baclauidinger
RAJESH RAU BAUANISTOON	acted, executed the instrument.
MOLARY PUBLIC CALIFORNIA	WITNESS my hand and official seal.
My Comm. Expires Jan. 10, 2008	Die Granden der
	Rajem Ros Badanidiyori
	- <b>,</b>
	PTIONAL —————
Though the information below is not required by law, it may provided temporal and reatters	prove valuable to persons relying on the document and could prevent hment of this form to another document.
	or but round a drouger accounts.
Description of Attached Document	
Fills or Type of Decument: Perfect / Toisy	2) 2-30-2MI = 1 - 12 - 12 - 12
	11-21
This of Type of Document.	· · · · · · · · · · · · · · · · · · ·
Document Date: 12/15/2006	Number of Pages: —— 4
Title or Type of Document: Partent / Join Document Date: 12/15/2006	Number of Pages: —— 4—
Signer(s) Other Than Named Above:	Number of Pages: —— 4—
Signer(s) Other Than Named Above:	
Signer(s) Other Than Named Above:	Number of Pages: —— 4—
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:
Signer(s) Other Than Named Above:	Number of Pages:

♥ 1999 National Notary Association • 9350 De Soto Ave., P.O. Box 2402 • Chalsworth, CA 91313-2402 • www.nationalnotary.org

Prod. No. 5907

Reorder: Call Toll-Free 1-800-876-6827

PATENT/Joint Assignment Attorney Docket No.: EMC06-52(06515) EMC Docket No.: EMC-06-515

Date: 12-15-06	— Mank Clus 9 Inventor's Signature
Print full name of third inventor:	Alan Kin Chung Leung
Residence:	41060 Rosewalk Court
	Fremont, CA 94539
Citizenship:	United States of America
Mailing Address:	Same as above
above-named Alan Kin Chung Leun	Soundar Clara  2006, then personally appeared before me the g known to me through satisfactory evidence of cation card; [ driver's license; [ ] (other)  to be the person whose name is subscribed to the
foregoing Assignment and acknowle deed for the purposes therein contain	dged that he/she executed the same as his/her free act and
	Rojesh Roe Badanidiyoot
	Notary Public
	Print Name: RATESH RAO BADANIDIYOUR
	My Commission expires 61 / 10 / 200 8
	Pls See the attached CA -All purpos
	Acknowledgement.

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	]
County of South Clara	SS.
County or	— J
- 16-11- Non 0006	Dairel Ran Radamideron Worder Park
On 13 to 132( 2000 before me,	Name and Title of Officer (e.g., 'Jane Doe, Notary Public')
personally appeared Alm Kin	Rayesh Rao Badanidiyox, Wofary Public?  Name and Tille of Officer (e.g., 'Jane Doe, Notary Public?'  Church Lewy
	personally known to me
	Proved to me on the basis of satisfactory
	evidence
	evidence  to be the person(e) whose name(e) 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 signature(e) on the instrument the person(s), or the entity upon behalf of which the person(e) acted, executed the instrument.
	subscribed to the within instrument and
	acknowledged to me that he/she/they executed
	the same in his/ <del>her/their</del> authorized <b>(%)</b> capacity <del>(ies),</del> and that by his/h <del>er/their</del> <b>(%)</b>
RAJESH RAO BADANIDIYOOR	signature( <del>e)</del> on the instrument the person( <del>s),</del> or
* AP* 1385A Comm #1461593 /A	the entity upon behalf of which the person(e)
HOTLOV OIGH IC CALIFORNIA	acted, executed the instrument.
San Maleo County  Ley Comm. Expires Jan. 10, 2008	WITNESS my hand and official seal.
	Rajern Ros Badanielyon
	Signature of Notary Public
	<b>X</b>
	PTIONAL ————
fraudulant ramoval and reatter)	prove valuable to persons relying on the document and could prevent hment of this form to another document.
Description of Attached Document	
Title or Type of Document: Pakent Josh	Number of Pages:
Doc (ment Date: 12-15 /200 6	Number of Pages:
Doubling Date.	
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name: <u>Alau Kin Chu</u>	RICHT THUMBPRINT OF SIGNER
The second of the second	Top of thumb here
<b>Y</b> Individual	
B√ridividual  Corporate Officer — Title(s):	
□ Corporate Officer — Title(s): □ Partner — □ Limited □ General	
□ Corporate Officer — Title(s): □ Partner — □ Limited □ General □ Attorney-in-Fact	
□ Corporate Officer — Title(s):     □ Partner — □ Limited □ General     □ Attorney-in-Fact     □ Trustee	
□ Corporate Officer — Title(s):     □ Partner — □ Limited □ General     □ Attorney-in-Fact     □ Trustee     □ Guardian or Conservator	
☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact ☐ Trustee ☐ Guardian or Conservator	

PATENT
RECORDED: 01/31/2007 REEL: 018829 FRAME: 0621