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To the Director of the U.S. Paterns and Trademarks Office: Please record the attached documents of the new address(es) below.			
Name of conveying party(ies)     Sudhir Vijendra; Patricia Florissi	Name and address of receiving party(ies):  Name: EMC Corporation		
Additional name(s) of conveying party(ies) attached?	Internal Address: Office of the General Counsel  Street Address: 176 South Street  City: Hopkinton  State: Ma  Country: USA Zip: 01748-9103  Additional name(s) and address(es) attached? ☐ Yes ☒ No		
A. Patent Application No.(s)  Additional numbers att	document is being filed together with a new application.  B. Patent No.(s)  ached?  Yes  No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:  1		
Name: R. Kevin Perkins Internal Address: EMC Corporation	7. Total fee (37 CFR 1.21(h) & 3.41): \$ 40.00  Authorized to be charge by credit card  Authorized to be charged to deposit account  Enclosed		
Street Address: 176 South Street	None required (government interest not affecting title)		
City:         Hopkinton         State:         MA         Zip:         01748           Phone Number:         508 293 6985           Fax Number:         508 293 7189	8. Payment Information  a. Credit Card Last 4 Numbers Expiration Date  b. Deposit account number		
Email Address: Perkins Kevin@emc.com	Authorized User Name		
9. Signature: Signature	10/25/87- Dage		
Carl A. Giordano  Name of Person Signing	Total number of pages including covers sheet, attachments, and documents:		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop: Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria VA 22313-1450

PATENT/Joint Assignment EMC Docket No.: EMC-07-049

## ASSIGNMENT

WHEREAS, we, Sudhir Vijendra and Patricia Florissi 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

Method and Apparatus for Management and Analysis of Services in VoIP Networks,

the s	pecif	ication	of	which:
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[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;	
[X]	was filed on 6/29/2007 as U.S. Application No. 11/824,238;	
[]	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, and continuations, divisions and reissues thereof, 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;

> PATENT REEL: 020053 FRAME: 0018

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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: 9/19/07	Velle
	Inventor's Signature
Print full name of first inventor:	Sudhir Vijendra
Residence:	70 Virginia Road 8D, White Plains, NY 10603
Citizenship:	India
Mailing Address:	Same as above
	med S. Vijendra and acknowledged that he/she executed the his 1974 day of September, 2007.
	Notary Public  Print Name: CML & GIONDAN-13  My Commission expires 3 / 23 / 26/0
	Carl A. Glordens Notery Public, State of New York No. 02G40142465

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Date:

Inventor's Signature

Print full name of second inventor:

Patricia Florissi

Residence:

11 Winterberry Lane, Briarcliff Manor, NY 10510

Citizenship:

**Brazil** 

Mailing Address:

Same as above

STATE/COMMONWEALTH OF NEW YORK
COUNTY OF WESTEHETER

Then personally appeared before me the above-named P. Florissi and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 49 th day of 500 to kor., 200 7.

Notary Public

Print Name: \_

My Commission expires 3/20/