

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Philip C. Love	11/27/2007
Srinivas Mandayam Aji	12/01/2007
Zhaohui Guo	11/30/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC Corporation
<b>Street Address:</b>	176 South Street
<b>City:</b>	Hopkinton
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12001149
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)973-2595
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	408-973-2585
<b>Email:</b>	vpula@ip-patent.com
<b>Correspondent Name:</b>	Van Pelt, Yi & James LLP
<b>Address Line 1:</b>	10050 N. Foothill Blvd.
<b>Address Line 2:</b>	Suite 200
<b>Address Line 4:</b>	Cupertino, CALIFORNIA 95014
<b>ATTORNEY DOCKET NUMBER:</b>	EMCCP188
<b>NAME OF SUBMITTER:</b>	Lee Van Pelt

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Total Attachments: 4  
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**PATENT**  
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## ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

### AUTHENTICATED SERVICE VIRTUALIZATION

(Attorney Docket No. EMCCP188) for which I (we) have executed an application for a United States Letters Patent:

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to 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, the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Date: 11/27/07

[Signature]  
Inventor's Signature

Print full name of first inventor:

**Philip C. Love**

Residence:

Alhambra, CA

Citizenship:

United Kingdom

Mailing Address:

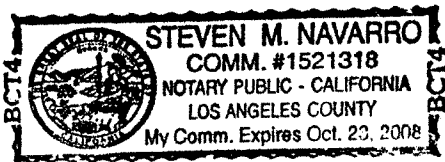
6801 Koll Center Parkway  
Pleasanton, CA 94566

STATE/Commonwealth OF  
COUNTY OF

California  
Los Angeles

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 27 day of Nov, 2007.

[Signature]  
Notary Public



Print Name: Steven M. Navarro, Notary Public  
My Commission expires Oct 23, 2008

Date: DEC 1, 2007

M. A. Srinivas  
Inventor's Signature

Print full name of first inventor: Srinivas Mandayam Aji  
Residence: Bangalore, India  
Citizenship: India  
Mailing Address: 6801 Koll Center Parkway  
Pleasanton, CA 94566

STATE/COMMONWEALTH OF KARNATAKA  
COUNTY OF INDIA

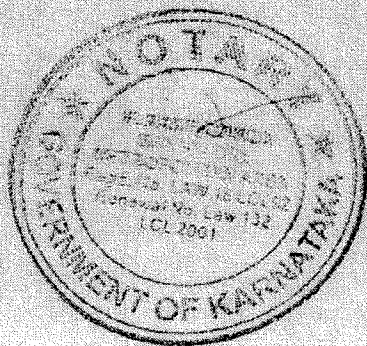
Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 1st day of Dec, 2007.

\_\_\_\_\_  
Notary Public

Print Name: \_\_\_\_\_

My Commission expires **My Term Expires on 10-12-2011**

Execution Admitted Before me



K. RAMEGOWDA, B.A.B.L.  
NOTARY

No. 6, "Krishna", 24th Main Road,  
J. P. Nagar 1 Phase,  
BANGALORE - 560 078.

**1 DEC 2007**

Date: Nov. 30, 2007

Zhaohui Guo

Inventor's Signature

Print full name of first inventor:

Zhaohui Guo

Residence:

Shanghai, China

Citizenship:

P. R. of China

Mailing Address:

6801 Koll Center Parkway  
Pleasanton, CA 94566

STATE/Commonwealth of  
COUNTY OF

(People's Republic of China)  
(Municipality of Shanghai)  
(Consulate General of the ) SS:  
(United States of America )

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 30<sup>th</sup> day of November, 2007.

American Consulate General  
Shanghai China

Notary Public

John L. Junk  
John L. Junk  
Consul of the United States  
of America

Print Name:

My Commission expires \_\_\_/\_\_\_/\_\_\_

PRESIDENTIAL COMMISSIONS DO NOT EXPIRE