

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Milena Bergant</td><td>12/06/2006</td></tr><tr><td>John M. Hayden</td><td>12/06/2006</td></tr><tr><td>Himabindu Tummala</td><td>12/08/2006</td></tr><tr><td>Santosh Pasula Reddy</td><td>12/06/2006</td></tr><tr><td>Daniel Zhu</td><td>12/08/2006</td></tr></tbody></table>	Name	Execution Date	Milena Bergant	12/06/2006	John M. Hayden	12/06/2006	Himabindu Tummala	12/08/2006	Santosh Pasula Reddy	12/06/2006	Daniel Zhu	12/08/2006	
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Santosh Pasula Reddy	12/06/2006												
Daniel Zhu	12/08/2006												
RECEIVING PARTY DATA													
Name:	EMC Corporation												
Street Address:	176 South Street												
City:	Hopkinton												
State/Country:	MASSACHUSETTS												
Postal Code:	01748												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11608780</td></tr></tbody></table>	Property Type	Number	Application Number:	11608780									
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CORRESPONDENCE DATA													
Fax Number: (713)456-2836 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 7135713460													
Email: Richard.Auchterlonie@novakdruce.com													
Correspondent Name: Richard C. Auchterlonie													
Address Line 1: 1000 Louisiana Street, 53rd Floor													
Address Line 2: Novak Druce & Quigg, LLP													
Address Line 4: Houston, TEXAS 77002													
ATTORNEY DOCKET NUMBER:	EMC-04-260												
NAME OF SUBMITTER:	Richard C. Auchterlonie												

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PATENT
REEL: 018605 FRAME: 0565

Total Attachments: 4

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PATENT

REEL: 018605 FRAME: 0566

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to EMC CORPORATION (the "Assignee"), having a place of business at 176 South Street, Hopkinton, MA 01748, their entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "REPLICATION AND RESTORATION OF MULTIPLE DATA STORAGE OBJECT TYPES IN A DATA NETWORK", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ASSIGNMENT - REPLICATION AND RESTORATION OF MULTIPLE DATA STORAGE OBJECT TYPES IN A DATA NETWORK

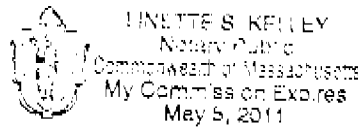
Signature: Milena Bergant Date: 12/06/06
Name: Milena Bergant

STATE OF Massachusetts)
COUNTY OF Worcester) ss.

BEFORE ME, the undersigned authority, on this 16th day of December, 2006, personally appeared Milena Bergant, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Janette S. Kelley
Notary or Consular Officer

[SEAL]



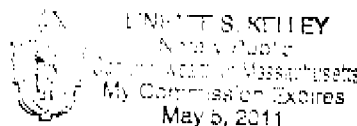
Signature: John M. Hayden Date: 12/06/06
Name: John M. Hayden

STATE OF Massachusetts)
COUNTY OF Worcester) ss.

BEFORE ME, the undersigned authority, on this 16th day of December, 2006, personally appeared John M. Hayden, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Janette S. Kelley
Notary or Consular Officer

[SEAL]



ASSIGNMENT - REPLICATION AND RESTORATION OF MULTIPLE DATA STORAGE OBJECT TYPES IN
A DATA NETWORK

Signature: [Signature]
Name: Himabindu Tummala

Date: Dec/08/2006

STATE OF Massachusetts)
COUNTY OF Worcester) ss.

BEFORE ME, the undersigned authority, on this 8th day of December, 2006,
personally appeared Himabindu Tummala, known to me to be the person whose name is
subscribed to the foregoing instrument and acknowledged to me that she executed the same of
her own free will for the purposes and consideration therein expressed.

[Signature]
Notary or Consular Officer

[SEAL]



LINETTE S. KELLEY
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 5, 2011

Signature: [Signature]
Name: Santosh Pasula Reddy

Date: 12/6/06

STATE OF Massachusetts)
COUNTY OF Worcester) ss.

BEFORE ME, the undersigned authority, on this 6th day of December, 2006,
personally appeared Santosh Pasula Reddy, known to me to be the person whose name is
subscribed to the foregoing instrument and acknowledged to me that he executed the same of his
own free will for the purposes and consideration therein expressed.

[Signature]
Notary or Consular Officer

[SEAL]



LINETTE S. KELLEY
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 5, 2011

ASSIGNMENT - REPLICATION AND RESTORATION OF MULTIPLE DATA STORAGE OBJECT TYPES IN
A DATA NETWORK

Signature: 
Name: Daniel Zhu

Date: Dec. 8, 2006

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 2006,
personally appeared Daniel Zhu, known to me to be the person whose name is subscribed to the
foregoing instrument and acknowledged to me that he executed the same of his own free will for
the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]