02-16-2	2005
Form PTO-1595] (Rev. 10/02) OMB No. 0651-0027 (eyp. 6/30/2005)	T U.S. DEPARTMENT OF COMMERCE
(Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	Patent and Trademark Office Docket No.: EMS-09201
OMB No. 0651-0027 (exp. 6/30/2005) 1 02942	2588
1. Name of conveying party(ies):	2. Name and address of receiving party(ies) Name: EMC Corporation
David L. Reese; Steven R. Chalmer; Steven T. McClure; Brett D. Niver	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No X	
3. Nature of conveyance:	Street Address: 176 South Street
(X) Assignment () Merger () Security Agreement () Change of Name () Other:	Hopkinton, Massachusetts 01748
Execution Date: January 27, 2005	Additional name(s) & address(es) attached? YesNo (X)
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	on, the execution date of the applications is: <u>January 27, 2005</u>
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers atta	ched? Yes No X
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: Patent Group	
Internal Address: Choate, Hall & Stewart	
Street Address: Exchange Place, 53 State Street	
City: Boston State: MA ZIP: 02109-2804	
	7. Total fee (37 CFR 3.41)\$40.00
	(X) Enclosed Authorized to be charged to deposit account
	8. Deposit account number:
	(Attached duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE .
9. Statement and signature. To the best of my knowledge and belief, the foregoing informatrue copy of the original document.	tion is true and correct and any attached copy is a
Donald W. Muirhead; 33,978 Name of Person Signing Total number of pages including cove	February 3, 2005 nature Date r sheet, attachments, and document: 6
	required covered sheet information to: te, Mail Stop <u>Assignment Recordation Services</u>
5/2005 GTOH11 00000037 11049817	THE SECOND STATES
C:8021 40.00 OP	

3792823_1.DOC

PATENT REEL: 016247 FRAME: 0993

ASSIGNMENT

WHEREAS, we, David L. Reese, Steven R. Chalmer, Steven T. McClure and Brett D. Niver 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 A GENERIC REALLOCATION FUNCTION FOR HEAP RECONSTITUTION IN A MULTI-PROCESSOR SHARED MEMORY ENVIRONMENT, 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

EMS-09201 Assignment.DOC

PATENT REEL: 016247 FRAME: 0994

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: 127/05	Javel Cose
	Inventor's Signature
Print full name of first inventor:	David L. Reese
Residence:	1 Maple Circle
	Westborough, MA 01581
Citizenship:	USA
Mailing Address:	Same
On this 20 Hoday of Janua	14, 2005, then personally appeared before me the me through satisfactory evidence of identification [] er's license; [] (other)
	to be the person whose name is subscribed to the ed that he/she executed the same as his/her free act and
	Notary Public Print Name: Nanc. A. Staffer My Commission expires 5/19/06

NANCI A. SHAFFER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 19, 2006

Date: Steven R. Chalmer Print full name of second inventor: Residence: 49 Evergreen Avenue Auburndale, MA 02466 Citizenship: **USA** Mailing Address: Same STATE/COMMONWEALTH OF **COUNTY OF** On this 37 Hday of To source, 2005, then personally appeared before me the above-named Steven R. Chalmer known to me through satisfactory evidence of identification [__] employee identification card; [X] driver's license; [__] (other) _ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained. **Notary Public** Print Name: [My Commission expires 5/19/06 NANCI A. SHAFFER **Notary Public** Commonwealth of Massachusetts My Commission Expires

May 19, 2006

Date: 1/27/05	_ Itiz Mhome
	Inventor's Signature
Print full name of third inventor:	Steven T. McClure
Residence:	142 East Main Street
	Northboro, MA 01532
Citizenship:	USA
Mailing Address:	Same
STATE/COMMONWEALTH OF COUNTY OF	massachusetts middlesex
above-named Steven T. McClure kn [] employee identification card; [to be the person whose name is subscribed to the edged that he/she executed the same as his/her free act and
	Notary Public Print Name: Nanci A. Shaffer My Commission expires 5/19/06
	NANCI A. SHAFFER Notary Public Commonwealth of Massachusetts My Commission Expires May 19, 2006

Date: 1/27/05

Brett D. Niver

Print full name of fourth inventor: Brett D. Niver

Residence: 22 Church Street
Grafton, MA 01519

Citizenship: USA

Mailing Address: Same

STATE/COMMONWEALTH OF COUNTY OF MCCOLUSETS

COUNTY OF C

employee identification card; [\(\subseteq \)] driver's license; [__] (other)

deed for the purposes therein contained.

RECORDED: 02/03/2005

Notary Public

foregoing Assignment and acknowledged that he/she executed the same as his/her free act and

Print Name:

My Commission expires 5/9/06

_ to be the person whose name is subscribed to the

NANCI A, SHAFFER
Notary Public
Commonwealth of Massachusetts
My Commission Expires
May 19, 2006

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