PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Stephen Perrin	01/30/2007
Manoj Nair	03/05/2007
Iva Blazina Vukelja	03/20/2007
John Philip Bell II	03/01/2007
Alex Rankov	02/05/2007

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:	11692058

CORRESPONDENCE DATA

500247453

Fax Number: (801)328-1707

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Address Line 2: 1000 Eagle Gate Tower

Address Line 4: Salt Lake City, UTAH 84111

ATTORNEY DOCKET NUMBER: 16192.65

NAME OF SUBMITTER: Carl T. Reed

PATENT

REEL: 019072 FRAME: 0527

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Total Attachments: 6 source=16192-65-assignment#page1.tif source=16192-65-assignment#page2.tif source=16192-65-assignment#page3.tif source=16192-65-assignment#page4.tif source=16192-65-assignment#page5.tif source=16192-65-assignment#page6.tif

> PATENT REEL: 019072 FRAME: 0528

PATENT APPLICATION Docket No: 16192.65

RETURN TO:

R. Burns Israelsen Workman Nydegger 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, Utah 84111

ASSIGNMENT

We the undersigned, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled ORCHESTRATING INDEXING

Preferred embodiments of said invention are disclosed in a United States patent application filed in the United States Patent and Trademark Office as:

Serial No.:

11/692,058

on the date of: March 27, 2007

The Assignee, EMC Corporation, a corporation of the state of Massachusetts, having a principal place of business at 176 South Street, Hopkinton, Massachusetts 01748, desires to secure the entire right, title and interest in said application.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States.

The right to claim the benefit of any prior related United States or foreign patent applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all patents on said application to the Assignce as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said application.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Full name of sole or first inventor.

Stephen		Perrin
(GIVEN NAME)	(MIDDLE (NITIAL OR NAME)	FAMILY (OR LAST NAME)
Inventor's signature	18/2	
Date $\frac{1/30/2}{}$	Country of Citizenship	United States
Address c/o EMC Corpor	ration, 176 South Street, Hopkinton,	Massachusetts 01748
Full name of second invente	ντ, if any	
Full name of second invento	π, if any	Nair
Manoj	οτ, if any (MIDDLE INITIAL OR NAME)	Nair FAMILY (OR LAST NAME)
Manoj (GIVEN NAME)		
Manoj **GIVEN NAME) Inventor's signature		FAMILY (OR LAST NAME)
(GIVEN NAME) Inventor's signature Date	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME) India

Page 2 of 3

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all patents on said application to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

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This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Full name of sole or first inventor

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Manoj		FAMILY (OR LAST NAME)
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Page 2 of 3

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E 11		
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Page 3 of 3

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ruii name of third inventor,	•	
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Page 3 of 3

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RECORDED: 03/27/2007

Docket 16192.65

PATENT REEL: 019072 FRAME: 0534