

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3289438

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT FAIR	03/30/2015
HENDRIK TANTO	03/26/2015
SHOBHAN KUMAR CHINNAM	03/27/2015
KARUNAKARA RAO SEELAM	03/30/2015
<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:	14673662
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)386-4342
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<b>Phone:</b>	510-295-9328
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<b>Correspondent Name:</b>	EMC CORPORATION OUTSIDE COUNSEL STANIFOR
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<b>ATTORNEY DOCKET NUMBER:</b>	EMC-14-0574 (EM1.51U)
<b>NAME OF SUBMITTER:</b>	GEOFFREY T. STANIFORD
<b>SIGNATURE:</b>	/GEOFFREY T. STANIFORD/
<b>DATE SIGNED:</b>	03/30/2015
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

**WHEREAS**, we, Robert Fair, Hendrik Tanto, Shobhan Kumar Chinnam and Karunakara Rao Seelam 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 DYNAMIC CONFIGURATION OF NPV VIRTUAL PORTS IN A FIBRE CHANNEL NETWORK, 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 No. \_\_\_\_\_ on \_\_\_\_\_.

**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 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: 3/30/2015

Robert Lawrence Fair  
Inventor's Signature

Print full name of first inventor:

Robert Fair

Residence:

107 Lamdash Lane

Cary, North Carolina 27511

Citizenship:

US

Mailing Address:

Same as above

STATE/COMMONWEALTH OF North Carolina  
COUNTY OF Orange

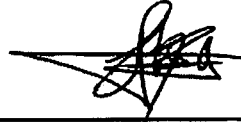
On this 30 day of March, 2015, then personally appeared before me the above-named Robert Lawrence Fair known to me through satisfactory evidence of identification [X] employee identification card; [ ] driver's license; [ ] (other) [ ] to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Audrey H. Craig  
Notary Public

Print Name: Audrey H. Craig

My Commission expires 8/11/18 al

Date: 3/26/2015



Inventor's Signature

Print full name of second inventor: **Hendrik Tanto**  
Residence: 1917 Winding Creek Ct.  
San Jose, CA 95148  
Citizenship: Indonesia  
Mailing Address: Same as above

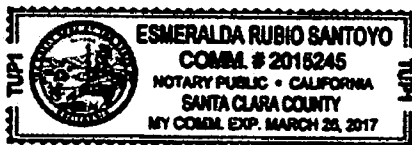
STATE OF  
COUNTY OF

California  
Santa Clara

On this 26 day of March, 2015, before me appeared Hendrik Tanto who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Notary Public

Print Name: Esmeralda Rubio Santoyo  
My Commission expires 03/26/2017

Date: 3/27/2015

[Signature]  
Inventor's Signature

Print full name of third inventor:

**Shobhan Kumar Chinnam**

Residence:

20252 Northcove Sq.

Cupertino, CA 95014

Citizenship:

India

Mailing Address:

Same as above

STATE OF  
COUNTY OF

California  
Santa Clara

On this 27<sup>th</sup> day of March, 2015, before me appeared Shobhan Kumar Chinnam,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same  
in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

A notary public or other officer completing this certificate verifies only the  
identity of the individual who signed the document to which this certificate is  
attached, and not the truthfulness, accuracy, or validity of that document.

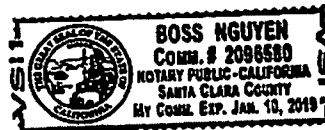
State of California County of Santa Clara Notary Public  
On March 27, 2015 before me, Boss Nguyen,  
personally appeared Shobhan Kumar Chinnam,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in  
~~his/her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify  
under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is  
true and correct. WITNESS my hand and official seal.

Boss Nguyen

[Signature]  
Notary Public

Print Name: Boss Nguyen

My Commission expires 1/10/19



Date: 3/30/2015

J. Karunakara Rao

Inventor's Signature

Print full name of third inventor:

Karunakara Rao Seelam

Residence:

120 Locksunart Way, Apt. 3

Sunnyvale, CA 94087

Citizenship:

India

Mailing Address:

Same as above

STATE OF  
COUNTY OF

CA  
Santa Clara

On this 30 day of March, 20 15, before me appeared Karuna Kara Rao Seelam who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2016

