

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4525837

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RYAN C. MCDANIEL	07/20/2017
STEPHEN E. STRICKLAND	07/27/2017
BRIAN D. KENNEDY	07/24/2017
RECEIVING PARTY DATA	
Name:	EMC IP HOLDING COMPANY, LLC
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15663049
CORRESPONDENCE DATA	
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	113454.00264/108607
NAME OF SUBMITTER:	TONI M. SOUSA
SIGNATURE:	/Toni M. Sousa/
DATE SIGNED:	07/28/2017
Total Attachments: 5	
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ASSIGNMENT

WHEREAS, we, Ryan C. McDaniel, Stephen E. Strickland, and Brian D. Kennedy 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 Circuit Board Assembly (Application), 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 IP Holding Company, LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware 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;

AND, we hereby authorize our attorneys, EMC Corporation, to insert here in parenthesis (_____) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 7/20/17


Inventor's Signature

Print full name of inventor Ryan C. McDaniel
Residence Hopkinton, MA
Citizenship United States
Mailing Address 4 Palomino Drive
Hopkinton, MA 01748

I, Suzanne Pahr (name of first witness), whose residential address is
79 South St Westborough, MA 01581
was personally present and did see Ryan C. McDaniel (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Suzanne Pahr (signature of first witness)
Signed at 176 South St Hopkinton, MA 01748 (location of witness signature)
on this day, July 20, 2017 (date of signature).

I, Anthony J. Fouts (name of second witness), whose residential address is
477 Benson Rd. Northbridge MA 01534
was personally present and did see Ryan C. McDaniel (name of person signing the assignment),
who is personally known to me, execute the above assignment.

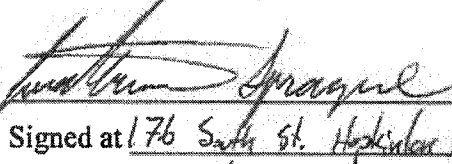
Anthony J. Fouts (signature of second witness)
Signed at 176 South St. Hopkinton MA 01748 (location of witness signature)
on this day, July 20, 2017 (date of signature).

Date: 7/27/17


Inventor's Signature

Print full name of inventor: Stephen E. Strickland
Residence: Foxboro, MA
Citizenship: United States
Mailing Address: 82 Prospect Street
Foxboro, MA 02035

I, Jordan Sprague (name of first witness), whose residential address is
93 Woodland St, West Boylston MA 01583
was personally present and did see Stephen E. Strickland (name of person signing the
assignment), who is personally known to me, execute the above assignment.


(signature of first witness)
Signed at 176 South St. Hopkinton MA 01748 (location of witness signature)
on this day, July 27th, 2017 (date of signature).

I, Adrianus Djohan (name of second witness), whose residential address is
8 Seaver Farm Lane, South Grafton MA 01568
was personally present and did see Stephen E. Strickland (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Adrianus Djohan (signature of second witness)
Signed at 176 South Street, Hopkinton MA 01748 (location of witness signature)
on this day, July 27th, 2017 (date of signature).

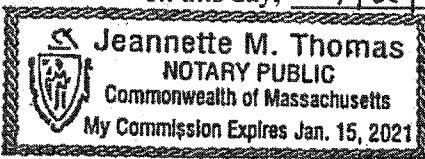
Date: 7/24/2017

Brian D. Kennedy
Inventor's Signature

Print full name of inventor: Brian D. Kennedy
Residence: Rutland, MA
Citizenship: United States
Mailing Address: 77 Ridge Road
Rutland, MA 01543

I, Jeanette Thomas (name of first witness), whose residential address is
14 Tadaola Avenue, Milford, MA 01757
was personally present and did see Brian D. Kennedy (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Jeanette Thomas (signature of first witness)
Signed at Dell 176 South St. Hopkinton MA (location of witness signature)
on this day, 7/24, 2017 (date of signature).



I, Tina Connerly (name of second witness), whose residential address is
1 Rockwell Drive, Shrewsbury MA 01545
was personally present and did see Brian D. Kennedy (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Tina Connerly (signature of second witness)
Signed at Dell 176 South St. Hopkinton MA (location of witness signature)
on this day, 7/24, 2017 (date of signature).