

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4936178

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VENKATA CHANDRA SEKAR RAO	04/24/2018
ABHISHEK GUPTA	04/24/2018
RASHMI SUDHAKAR	04/25/2018
SHAM A R	04/24/2018
PETER SHIPMAN	04/26/2018
SUMIT GUPTA	04/24/2018
VELMURUGAN R	04/24/2018
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:	15964760
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	110344.01
NAME OF SUBMITTER:	MICHAEL J. COOPER
SIGNATURE:	/Michael J. Cooper/
DATE SIGNED:	04/27/2018

PATENT

Total Attachments: 8

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ASSIGNMENT

WHEREAS, we, Venkata Chandra Sekar Rao, Abhishek Gupta, Rashmi Sudhakar, Sham A R, Peter Shipman, Sumit Gupta, and Velmurugan R, 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 **PROACTIVELY PREDICTING LARGE ORDERS AND PROVIDING FULFILLMENT SUPPORT RELATED THERETO**, the specification of which:

- 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 limited liability company 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.

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

24/4/2018
Date

MVCR
Venkata Chandra Sekar Rao

On this _____ day of _____, 20____, before me personally came Venkata Chandra Sekar Rao, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

24 April 2018
Date

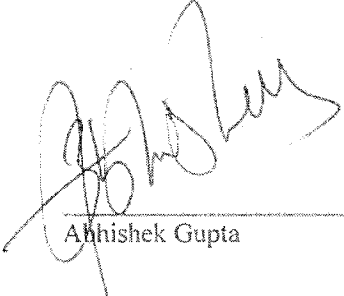
Kalpna Razdan
Name
[Signature]
Signature

Witness 2:

24 April 2018
Date

KIRTI KHADE
Name
[Signature]
Signature

24/04/2018
Date


Abhishek Gupta

On this _____ day of _____, 20____, before me personally came Abhishek Gupta, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

Kalpna Raxdan
Name

25 April 2018
Date


Signature

Witness 2:

KIRTI KHADE
Name

25 April 2018
Date

Kirtikhade
Signature

_____ Rashmi
Date Rashmi Sudhakar

On this _____ day of _____, 20____, before me personally came Rashmi Sudhakar, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1: Kalbana Razdan
Name
[Signature]
Signature
25 April 2018
Date

Witness 2: KIRTI KHADE
Name
[Signature]
Signature
25 April 2018
Date

APR 21 2014

APR 21 2014

I, the undersigned, do hereby certify that the foregoing instrument was executed by the individual whose name appears on the foregoing instrument, and acknowledged execution of the same.

Name
Signature

Name

Signature

Name

Signature

Name

Signature

4/26/18
Date

Peter Shipman
Peter Shipman

On this 24 day of April, 2018, before me personally came Peter Shipman, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

Brian Burke
Name

4/26/18
Date

Brian Burke
Signature

Witness 2:

STEVEN NAPOLITANO
Name

4/26/18
Date

Steven Napolitano
Signature

24.04.18
Date

Sumit Gupta
Sumit Gupta

On this 24 day of April, 2018, before me personally came Sumit Gupta, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

24 April 2018
Date

Kalpna Razdan
Name
[Signature]
Signature

Witness 2:

24 April 2018
Date

Kirti Khande
Name
[Signature]
Signature

4/24/2018
Date

R. velmurugan
Velmurugan R

On this 24 day of APRIL, 2018, before me personally came Velmurugan R, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

VISHWANATHAN
Name

24/04/2018
Date

Vishwanathan
Signature

Witness 2:

JAYSON LUKOSE
Name

24/04/2018
Date

Jayson Lukose
Signature