504128194 12/07/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4174865

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the THE ASSIGNEE ON THE COVER SHEET INCORRECTLY INCLUDES BOTH BRETFORD MANUFACTURING, INC AND EMC CORPORATION previously recorded on Reel 029071 Frame 0537. Assignor(s) hereby confirms the THE SOLE ASSIGNEE LISTED ON THE ASSIGNMENT IS EMC CORPORATION.

CONVEYING PARTY DATA

Name	Execution Date
NIR SELA	06/27/2012
ADI HIRSCHTEIN	06/27/2012
RON BIGMAN	06/27/2012
SHAY ZUKERMAN	06/27/2012

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:	13539176

CORRESPONDENCE DATA

Fax Number: (978)264-9119

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.

Phone: 978-371-3218
Email: john@gorecki.us

Correspondent Name: ANDERSON GORECKI LLP

Address Line 1: 33 NAGOG PARK
Address Line 2: ATTN: JOHN GORECKI

Address Line 4: ACTON, MASSACHUSETTS 01720

ATTORNEY DOCKET NUMBER:	130-107
NAME OF SUBMITTER:	JOHN C GORECKI
SIGNATURE:	/John C Gorecki/
DATE SIGNED:	12/07/2016

PATENT 504128194 REEL: 040839 FRAME: 0263

Total Attachments: 8 source=EMC_130_107_Assignment#page1.tif source=EMC_130_107_Assignment#page2.tif source=EMC_130_107_Assignment#page3.tif source=EMC_130_107_Assignment#page4.tif source=EMC_130_107_Assignment#page5.tif

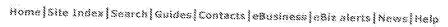
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PATENT REEL: 040839 FRAME: 0264



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PATENT ASSIGNMENT

Electronic Version v1,1 Stylesheet Version v1,1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAR ODIG	06/27/2012
Adi Hirschtein	1106/27/2012
Ron Bigman	108/27/2012
Suay Lukennan	06/28/2012

RECEIVING PARTY DATA

Name:	Bretford Manufacturing, Inc.
Street Address:	11000 Seymour Avenue
City:	Pranklin Park
State/Country:	ILLINOIS
Postal Code:	60131

Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

-	Property Type	Number	1
-	Application Number:	13539176	

CORRESPONDENCE DATA

Fax Number:

9782649119

Phone:

978-371-3218

Email:

john@gorecki.us

Correspondent Name:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

John C Gorecki

Address Line 1;

P.O. Box 553

Address Line 4;

Carlisle, MASSACHUSETTS 01741

NAME OF SUBMITTER:	John C. Gorecki, Reg. No. 38471
Signature:	/John C. Gorecki/
Date:	10/03/2012

Total Attachments: 6

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PATENT

ASSIGNMENT

WHEREAS, I, Nir Sela, Adi Hirschtein, Ron Bigman, and Shay Zukerman, 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

METHOD AND APPARATUS FOR IDENTIFYING DATABASE I/O ACTIVITY

,	~~~	
	[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

which

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 me;

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, I 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 me had this assignment and sale not been made; I 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. I 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, I hereby further agree for me and my 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, I 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, I have hereunto set my hand and affixed my seal as set forth below:

Date: 17/06/2012	
	Inventor's Signature
Print full name of inventor;	Nir Sela
Residence:	18 Dror, Tzur Igal 44862, Israel
Citizenship:	Israel
Mailing Address:	18 Dror, Tzur Igal 44862, Israel
Manyagel All Emma	(name) whose residential address is Nir Sela, who is personally known to me, execute the above
Musipo	(signature of first witness)
Signed at <u>Re-Medal</u> , <u>Rera</u>	(location of witness signature)
on this day <u>06/2.812.012</u>	of 2012. (date of signature)
was personally present and did see	(name) whose residential address is Line Nir Sela, who is personally known to me, execute the above
assignment,	
	(signature of second witness)
Signed at <u>Ha Mada 7, 11</u>	eracle (location of witness signature)
on this day 06/28	of 2012. (date of signature)

Date: 27/06/12	
	Inventor's Signature
Print full name of inventor:	Adi Hirschtein
Residence:	19 Borochov, Givataim 53204, Israel
Citizenship:	Israel
Mailing Address:	19 Borochov, Givataim 53204, Israel
I Marina Enapiro Ha-Your 311 Pagar was personally present and did see A	(name) whose residential address is the control of
above assignment.	at this one in, who is paradiately allower to also, choose the
stillenegre	(signature of first witness)
Signed at Re-Mada 7 Harrel	(location of witness signature)
on this day <u>©6/2-8</u>	of 2012. (date of signature)
1 Julia Yakovlev Sivan 1416 Modiin	(name) whose residential address is
was personally present and did see A above assignment.	di Hirschtein, who is personally known to me, execute the
(D/N)	(signature of second witness)
Signed at HaMada 4, Her	(location of witness signature)
on this day <u>06/28</u>	of 2012. (date of signature)

Date: 27. (2012	
	Inventor's Signature
Print full name of inventor:	Ron Bigman
Residence:	17 Harav Kapach, Holon 58248, Israel
Citizenship:	Israel
Mailing Address:	17 Harav Kapach, Holon 58248, Israel
I Maring Shapers Ha-Made T Ha Yey was personally present and did see Ror above assignment.	(name) whose residential address is (1) Longery Q 1) Bigman, who is personally known to me, execute the
Mulany	(signature of first witness)
Signed at Ha-Joda 7, Has relia	(location of witness signature)
on this day <u>CEP2</u>	of 2012. (date of signature)
1 Jalia Yahovlev Sivan, 14/6, Modiin	(name) whose residential address is
	n Bigman, who is personally known to me, execute the
above assignment.	(signature of second witness)
	(location of witness signature)
on this day OG/AS	of 2012. (date of signature)

Date:	20/2	
	X	Inventor's Signature
Print ful	I name of inventor:	Shay Zukerman
Residen		16 Hagaon Eliyau St., Ramat Gan 52364, Israel Israel
Citizens Mailing	Address:	16 Hagaon Eliyau St., Ramat Gan 52364, Israel
was per	Cing Shapic Yourd 3114 Each sonally present and did see ssignment.	(name) whose residential address is NO. Shay Zukerman, who is personally known to me, execute the
addb	Lonufus	(signature of first witness)
Signed a	at <u>Na-hadan Hissel</u>	(location of witness signature)
on this o	lay <u>06 2.8</u>	of 2012. (date of signature)
was per	sonally present and did see satisfied see satisfied and did see sa	(name) whose residential address is Fi. Shay Zukerman, who is personally known to me, execute the
	<u> </u>	(signature of second witness)
**	at Ha Mada 7 Her	(location of witness signature)
on this	day <u>06/28</u>	of 2012. (date of signature)