Form **PTO-1595** (Rev. 01-09) OMB No. 0651-0027 (exp. 02/28/2009) U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

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PATENTS ONLY  To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.		
	- Marie	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)	
1) William C. Galloway 2) Ryan A. Callison	Name: Pivot3, Inc.	
Greg J. Pellegrino	Internal Address:	
4) Choon-Seng Tan  Additional name(s) of conveying party(ies) attached? Yes X No		
3. Nature of conveyance/Execution Date(s):	Street Address: 6605 Cypresswood Drive	
Execution Date(s) 1-2) 06/29/2009 and 3-4) 07/22/2009		
Assignment Merger		
Security Agreement Change of Name	City: Spring	
Joint Research Agreement	State: Texas	
Government Interest Assignment	Country: USA Zip: 77379	
Executive Order 9424, Confirmatory License Corrective Document for Assignment originally	2.p	
Other recorded at Reel/Frame 023029 / 0979	Additional name(s) & address(es) attached? Yes No	
4. Application or patent number(s):	document is being filed together with a new application.  B. Patent No.(s)	
Additional numbers attached? Yes XNo		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One	
Name: Sprinkle IP Law Group		
Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00	
internal Address.	X Authorized to be charged to deposit account	
4004111 40511 01 4 0 11 400	Enclosed	
Street Address: 1301 West 25th Street, Suite 408	None required (government interest not affecting title)	
City: Austin	8. Payment Information	
State: Texas Zip: 78705		
Phone Number: 512.637.9220	Deposit Account Number: 503183	
Fax Number: 512.371.9088		
Email Address:	Authorized User Name: Ari G. Akmal	
9. Signature:	7-24-2012	
/ Signature	Date	
Ari G. Akmal, Reg. No. 51,038	Total number of pages including cover	
Name of Person Signing	sheet, attachments, and documents:	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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TO:SPRINKLE IP LAW GROUP

UMPANY: 1301 WEST 25TH STREET, LITE 408

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To the Director of the U.S. Petent and Tradement Office: Please record the stacked documents or the new address(se) indice.  1. Name of conveying party(les) William C. Geliconery Ryan A. Cellison Gring J. Pellegrino Cityon-Send 1 an Additional name(s) of conveying party(se) attached? Tyes No.  3. Nature of conveying party(se) attached? Tyes No.  4. Nature of conveying party(se) attached? Tyes No.  5. Nature of conveying party(se) attached? Tyes No.  6. Security Agreement Merger Security Agreement Merger Security Agreement Change of Name City: Spring State: Texas Country: USA Country: USA Country: USA Country: USA Country: USA Additional name(s) & address(s) ottached? Tyes No.  4. Application or patent instruber(s): City: Spring State: Texas Country: USA Additional name(s) & address(s) ottached? Tyes No.  4. Application or patent instruber(s): City: Spring State: Texas Country: USA Country: USA Additional name(s) & address(s) ottached? Tyes No.  4. Application or patent instruber(s): City: Spring State: Texas Country: USA Country: USA Additional name(s) & address(s) ottached? Tyes No.  4. Application or patent instruber(s): City: Matent Application No.(a)  12/478.319 (PIVOT1100-1)  Additional name(s): Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Internal Address: City: Austin State: Texas City: Austin City: Austin State: Texas City: Austin City: Austin State: Texas City: Austin City: Austi	Form PTC)-1695 (Rev. 01-09) CMB No. 0651-0027 (BKD. 02/28/2002)	U.S. DEPARTMENT OF COMMERCE United States Petent and Trademark Office	
To the Director of the U.S. Petent and Trademark Office: Please record the stached documents of the new address(s) interw.  1. Name of conveying party(ies) William C. Galicows Rylan A. Callacon Greg J. Pellegrino Choon-Send Tan  Additional name(s) of conveying party(ies) attached?   Yes   Ne  3. Nature of conveying party(ies) attached?   Yes   Ne  4. Assignment   Change of Name    3. Detectify Agreement   Change of Name    3. Joint Recearch Agreement   Change of Name    4. Application of patent number(s):   This document is being filed together with a new application.  5. A Patent Application No.(s)    12/479,319 (PIVOT1100-1)  Additional numbers attached?   Yes   No  5. Name and address to whom correspondence concerning document aboute be mailed:    Name:sprinkle IP_Law Group    7. Total number of applications and patentia involved:ORe  Street Address:1301 West 25th Street, Suita 403    City:Austin    Street Address:1301 West 25th Street, Suita 403    City:Austin    Street Address:1301 West 25th Street, Suita 403    Deposit Account Number:503183    Authorized User Name:ALG, Akmel    Deposit Account Number:ALG, Akmel    Authorized User Name:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:ALG, Akmel    Deposit Account Number:ALG, Akmel    Authorized User Name:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:ALG, Akmel    The Street Address:BO Patent Information    The Street Address:BO Patent Information    The Street Address:BO Patent Informat			
1. Name of conveying party(ise) William C. Gallowey Ryan A. Callison Grag J. Pellegrino Circon-Send Tan Additional name(s) of conveying party(iss) attached?   Yes   Ne 3. Nature of conveying party(iss) attached?   Yes   Ne 4. Assignment   Merger   City: Spring   State: Texas   Country: USA   Zip: 77379   Country: USA   Zip: 77379   Additional name(a) & address(s) ettached?   Yes   Ne 4. Application or partent number(s):   This document is being filed together with a new application.   B. Patent No.(s)  5. Name and address to whom correspondence concerning document should be mailed:   Name: Sprinkls   P Law Group.   Internal Address:   1301 West 25th Street, Suita 403   Total number of applications and patentia involved: ORA	PATENTS ONLY		
William C. Gallowey Ryen A. Callian Cing J. Pelegrino City: Pelegrino City: Spring Executive of conveying partyles) attached? Ves Ne Assignment Merger Security Agreement Merger Security Agreement Change of Name Joint Research Agreement State: Texas Country: USA Additional name(s) & address(s) attached? Ves Ne Additional name(s) & address(s) attached? Ves Ne City: Spring Country: USA Zip: 77379 Additional name(s) & address(s) attached? Ves Ne Application or patent number(s): This document is being filed together with a new application. B. Patent Application No.(s)  12/479,319 (PIVOT1100-1)  Additional name and address to whom correspondence concerning document should be mailed: Name: Sprinkle IP Law Group Internal Address:  Street Address: 1301 West 25th Street, Suits 403  Street Address: 1301 West 25th Street, Suits 403  Phone Number: 512,637,9220  Fax Number: 512,637,9236	To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(na) testow.	
Ryan A. Callaon Grag J. Pellogrino Cixon-Send Tan  Additional name(s) of conveying party(sa) attached? Yes X No 3. Nature of conveying party(sa) attached? Yes X No 3. Nature of conveying party(sa) attached? Yes X No 3. Nature of conveying party(sa) attached? Yes X No 3. Nature of conveying party(sa) attached? Yes X No 4. Assignment	1. Name of conveying party(ise)	2. Name and address of receiving party(les)	
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Additional name(s) of conveying party(as) attached? Yes No  3. Nature of conveyance/Execution Data(s):  Execution Date(s) _une 29 and _lulv 22, 2009  Assignment	Grag J. Pellegrino	internal Address:	
3. Nature of conveyance/Execution Date(s):  Exactifion Date(s) June 29 and July 22, 2009  Assignment   Merger   Security Agreement   Change of Name   State: Texas    Government Interest Assignment   State: Texas    Government Interest Assignment   Country: USA   Zip: 77379    Executive Order 9424, Confirmatory License   Additional name(s) & address(es) attached?   Yes   No    4. Application or pattern number(s):   This document is being filed together with a new application.    B. Patent Application No.(s)   12/479,319 (PIVOT1100-1)    Additional numbers attached?   Yes   Xibo    5. Name and address to whom correspondence concerning document should be mailed:   Name: Sprinkle IP Law Group    Internal Address:   1301 West 25th Street, Suita 403   Total number of applications and patentia involved:   Qiba    7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00    Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting title)    Street Address:   1301 West 25th Street, Suita 403    Phone Number:   512,837,9220    Pax Number:   512,871,9088    Email Address:   7-30-09			
Executive Order 9424, Confirmatory License    Government Interest Assignment   Change of Name   State: Texas   Country: USA   Zip: 77379   Additional name(s) & address(as) etisched?   Yes   No			
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State: Texas   Country: USA   Zip: 77379     Executive Order 9424, Confirmatory License   Country: USA   Zip: 77379     Executive Order 9424, Confirmatory License   Country: USA   Zip: 77379     Cother   Additional number(s):   Additional number is being filed together with a new application.     A. Application or patent number(s):   This document is being filed together with a new application.     A. Petent Application No.(s)   B. Petent No.(s)     12/479,319 (PIVOT1100-1)     Additional numbers attached?   Yes   No     5. Name and addrese to whom correspondence concerning document should be mailed:   Involved: Othe     Other   Address:   Sorinkis IP Law Group   T. Total number of applications: and petents involved: Othe     7. Total fee (37 CFR 1.21(h) & 3.41)   \$ 40.00     Authorized to be charged to deposit account   Enclosed   None required (government interest not affecting title)     City: Austin   State: Texas   Zip: 78705     Phone Number: 512.637,9220   Deposit Account Number: 503183     Authorized User Name: Ap. G. Akmal   Authorized User Name: Ap. G. Akm		City: String	
Government Interest Assignment  Executive Order 9424, Confirmatory Ucense  Additional name(s) & address(es) etisched?  Yes No  Application or patent number(s):  A Patent Application No.(s)  12/479.319 (PIVOT1100-1)  Additional numbers attached?  Yes No  B. Patent No.(s)  5. Name and address to whom correspondence concerning document should be mailed:  Name: Sprinkle IP Law Group.  Internal Address:  Street Address:  1301 West 25th Street, Suita 403  City: Austin  State: Texas			
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Other   Additional name(s) & address(as) stinched?   Yes   No		Country: USA Zip: 77379	
4. Application or patent number(s):  A. Patent Application No.(s)  12/478,319 (PIVOT1100-1)  Additional numbers attached? Yes X No  5. Name and address to whom correspondence concerning document should be mailed:  Name: Sprinkle IP Law Group  Internal Address:  Street Address: 1301 West 25th Street, Suita 403  City: Austin  State: Texas Zip: 78705  Phone Number: 512,837,9220  Fax Number: 512,837,9220  Fax Number: 512,371,9088  Email Address: 7-30-09			
A. Patent Application No.(s)  12/479,319 (PR/OT1100-1)  Additional numbers attached? Yes XNo  5. Name and address to whom correspondence concerning document should be mailed:  Name: Sprinkle IP Law Group  Internal Address:  Street Address: 1301 West 25th Street, Suita 403  City: Austin  State: Texas Zip: 78705  Phone Number: 512,371,9088  Email Address:  S. Signature:  B. Patent No.(s)  B. Patent No.(s)  Additional No.(s)  B. Patent No.(s)  S. Total number of applications and patents involved: OR®  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account interest not affecting title)  S. Payment information  Deposit Account Number: 503183  Authorized User Name: An.(3. Akme)		Additional name(s) & address(as) attached?Yes X No	
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Additional number attached? Yes X No  5. Name and address to whom correspondences concerning document should be mailed:  Name: Sprinkle IP Law Group  Internal Address:  Street Address: 1301 West 25th Street, Suita 403  City: Austin  State: Texas Zip: 78705  Phone Number: 512,837,9220  Fax Number: 512,837,9220  Fax Number: 512,371,9088  Emeil Address:  S. Signature:  Additional number attached? Yes X No  S. Total number of applications: and patents involved: OR8  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  8. Payment Information  Deposit Account Number: 503183  Authorized User Name: Ap. G. Akmaj  7. 30-09	A. Patent Application No.(s)	B, Patent No.(a)	
Additional number attached? Yes X No  5. Name and address to whom correspondences concerning document should be mailed:  Name: Sprinkle IP Law Group  Internal Address:  Street Address: 1301 West 25th Street, Suita 403  City: Austin  State: Texas Zip: 78705  Phone Number: 512,837,9220  Fax Number: 512,837,9220  Fax Number: 512,371,9088  Emeil Address:  S. Signature:  Additional number attached? Yes X No  S. Total number of applications: and patents involved: OR8  7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)  8. Payment Information  Deposit Account Number: 503183  Authorized User Name: Ap. G. Akmaj  7. 30-09	12/478.319 (PIVOT1100-1)		
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Name: Sorinkie IP Law Group Internal Address:  Street Address: 1301 West 25th Street, Suite 403  City: Austin State: Texas Zip: 78705  Phone Number: 512.871,9088  Email Address: 130.4 West 25th Street Address: 130.5 Address: 130.6	de medven landilibh	zched? Yes X No	
Name: Sprinkle IP Law Group Internal Address:  Street Address: 1301 West 25th Street, Suite 403  City: Austin State: Texas Zip: 78705  Phone Number: 512.871,9088  Email Address: Deposit Account Number: 503183  Authorized User Name: An G. Akmal  8. Signature: 7-30-09			
Internal Address:  Street Address: 1301 West 25th Street, Suita 403  City: Austin State: Texas Zip: 78705  Phone Number: 512.637.9220  Fax Number: 512.371,9088  Email Address: Deposit Account Number: 603183  Authorized User Name: An G. Akmal	· · · · · ·	involved: One	
Street Address: 1301 West 25th Street, Suite 403  City: Austin State: Texas Zip: 78705  Phone Number: 512.637,9220  Fax Number: 512.371,9088  Email Address: Deposit Account Number: 40.3183  Authorized User Name: An G. Akmal  7-30-09	Name: Sorinkie IP Law Group	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Street Address: 1301 West 25th Street, Suite 403  City: Austin  State: Texas  Phone Number: 512.637,9220  Fax Number: 512.371,9088  Email Address: Authorized User Name: An G. Akmail  8. Signature: 7-30-09	Internal Address:		
None required (government interest not affecting title)  City: Austin  State: Texas  Zip: 78705  Phone Number: 512.637.9220  Pax Number: 512.371.9088  Email Address:  Authorized User Name: An Gl. Aignal  S. Signature:  7-30-09		Authorized to be charged to deposit account	
City: Austin  State: Texas Zip: 78705  Phone Number: 512.637,9220  Fax Number: 512.371,9086  Email Address: Authorized User Name: An G. Akmal  8. Signature: 7-30-09	Street Address: 1301 West 25th Street, Suite 403	Enclosed	
State: Texas		None required (government interest not affecting title)	
State: <u>Texas</u> Zip: 78705  Phone Number: <u>512.637.9220</u> Fax Number: <u>512.371.9088</u> Email Address:	City: Austin	8. Payment Information	
Phone Number: <u>512.637.9220</u> Fax Number: <u>512.371.9088</u> Email Address:			
Fax Number: 512.371.9088 Deposit Account Number: 503183 Email Address: Authorized User Name: An G. Akmal  8. Signature: 7-30-09		1	
Email Address: Authorized User Name: An G. Alemal  9. Signature: 7-30-09		Deposit Account Number: 503183	
9. Signature: 7-30-09		Authorized User Name: An G. Akmal	
Signature Date		<u> 7-30-09</u>	
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Ari G. Akmal Total number of pages including cover 3  Name of Person Signing sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be fixed to (571) 273-0148, or mailed by Mail Stop Assignment Recorded on Services, Director of the USPTO, P.C.Box 1489, Alexandria, V.A. 22(15-1480

**PATENT** 

REEL: 028635 FRAME: 0882

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PATENT APPLICATION Serial No. 12/479,319

-1 of 2 -

## **ASSIGNMENT**

This Assignment is made by William C. Galloway and Ryan A. Callison both of Magnolia, Texas, Greg J. Peliegrino, of Tomball, Texas, and Choon-Seng Tan of Houston, Texas ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled "METHOD AND SYSTEM FOR DISTRIBUTED RAID IMPLEMENTATION", for which an application for United States Letters Patent was made on June 5, 2009, bearing an application number of 12/479,319; and

WHEREAS, Assignors believe themselves to be the original inventors of the invention including any and all improvements disclosed in said application ("invention"); and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said Invention, said application, on any subsequently filed divisional, continuation, continuation-in-part, re-examination, reissue or other application for protection ("Applications"), and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention from any Applications in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the Invention and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to-Pivot3, Inc. acknowledged, Assignors hereby sell, assign, and transfer to-Pivot3 having a principal place of business at 6605 Cypresswood Drive, Spring, TX 77379 (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said Applications and any Patents that may be granted for said Invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and/or their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

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PATENT APPLICATION Serial No. 12/479,319

-2 of 2 -

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Commissioner for Patents of the United States and of all foreign countries to issue any Patents granted for said Invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part, reexamination, reissue or other application, to Assignee, its successors and assigns, as the assignee of the entire interest in said Invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates provided below.

Name of Sole/First Inventor: Signature: Date:	William C. Galloway  Compared to the compared
Name of Additional Inventor: Signature: Date:	Ryan A. Callison  Aya Ar Cah  6-29-09
Name of Additional Inventor: Signature: Date:	Greg-J. Pellegrino
Name of Additional Inventor: Signature: Date:	Choon-Seng Tan

PATENT APPLICATION
Serial No. 12/479.319

- 1 of 2 -

## **ASSIGNMENT**

This Assignment is made by William C. Galloway and Ryan A. Callison both of Magnolia, Texas, Greg J. Pellegrino, of Tomball, Texas, and Choon-Seng Tan of Houston, Texas ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled "METHOD AND SYSTEM FOR DISTRIBUTED RAID IMPLEMENTATION", for which an application for United States Letters Patent was made on June 5, 2009, bearing an application number of 12/479,319; and

WHEREAS, Assignors believe themselves to be the original inventors of the invention including any and all improvements disclosed in said application ("Invention"); and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said Invention, said application, on any subsequently filed divisional, continuation, continuation-in-part, re-examination, reissue or other application for protection ("Applications"), and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention from any Applications in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the Invention and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors hereby sell, assign, and transfer to Pivot3 having a principal place of business at 6605 Cypresswood Drive, Spring, TX 77379 (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said Applications and any Patents that may be granted for said Invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and/or their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Patents in the United States and throughout the world for said Invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said Invention, said application, and any Patents granted for said Invention in the United States and throughout the world.

PATENT APPLICATION Serial No. 12/479,319

- 2 of 2 -

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

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IN WITNESS WHEREOF, Assignors have executed this Assignment on the dates provided below.

Name of Sole/First Inventor: Signature: Date:	William C. Galloway  (4-29-09
Name of Additional Inventor: Signature:	Ryan A. Callison  Lyn Ar Cah  6-29-09
Date:	6-29-09
Name of Additional Inventor:	Greg J. Pellegrino
Signature: Date:	7/22/09
Name of Additional Inventor: Signature:	Choon-Seng Tan
Date:	

PATENT REEL: 028635 FRAME: 0886

**RECORDED: 07/24/2012**