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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies) N. Isaac Rajkumar Pubnong You David Dean Caldwell Bert Lazen Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s)pa-1-9-0-0-13-0-0-0-14-0-9-0-1-1-9-0-1-1-1-1-1-1-1-1-1-1-1-1-1	Form PTO-1595 (Rev. 11-08) OMB No. 0651-0027 (exp. 12/31/2008)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
To the Director of the U.S. Patent and Tradermark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies) N. Isaac Rajkumar Puhong You David Dean Cadwell Brett J. Larsen Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Or patent number(s): Execution Or patent number(s): Execution Or patent number(s): Execution Or patent number(s): Execution No.(s) 11/701.193 VICENIGAD3 (Attorney Docket No.) Additional numbers attached? Additional number of papilications and patents involved: Execution Or patent number(s): Execution Date Additional number of papilications and patents involved: Execution Or patent Number Solution Or patent Number S		ORM COVER SHEET
1. Name of conveying party(ies) N. Isaac Rojumary Pubnop You David Dean Cardwell Brett J. Larsen Additional name(s) of conveying party(ies) attached? \[\begin{array}{c} Yos \\ No 3. Nature of conveyance/Execution Date(s): Execution Date(s)04-19-96:04-13-96:04-13-96:05-18-04 \begin{array}{c} Assignment \text{ Merger} \text{Street Address: } \(\) 3015. MoPac Expressway Street Address: \(\) 3015. MoPac Expressway Str		
Name: visinette Corporation Name: visinette Corporation Internal Address: Name: visinette (Corporation Internal Address: Name: visinete (Corporation Name: visinete (Corporation Internal Address: Name: visinete (Corporation Nam	1. Name of conveying party/iee)	
David Dean Caldwell Bretz I, Jassen Additional name(s) of conveying party(ies) attached? Yes No No No No No No No N	N. Isaac Rajkumar	
Additional name(s) of conveying party(ies) attached? Yes No 3. Nature of conveyance/Execution Date(s): Execution Date(s)p4-19-04-04-13-04; 04-14-04-05-18-04 Assignment		· · · · · · · · · · · · · · · · · · ·
Street Address:	Brett J. Larsen	Internal Address:
Execution Date(s)04-19-04:04-13-04:04-14-04:05-18-04 Assignment	Additional name(s) of conveying party(ies) attached? X Yes N	
Security Agreement	3. Nature of conveyance/Execution Date(s):	Street Address: 1301 S. MoPac Expressway
Security Agreement		
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Yes ✓	★ Assignment	Julie 100
Government Interest Assignment Executive Order 9424, Confirmatory License Other		City:_Austin
Executive Order 9424, Confirmatory License		State:TX
Additional name(s) & address(es) attached? Yes 4. Application or patent number(s): A. Patent Application No.(s) Internal Address to whom correspondence concerning document should be mailed: Name: Sprinkle IP Law Group (Customer No. 44654) Internal Address: Street Address: Street Address: City: Austin City: Austin State: TX Zip: 78705 Phone Number: 512-371-9088 Email Address: Signature: Katharina W. Schuster (Reg. No. 50,000) Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Noure in the composition of page including cover Additional name(s) & address(es) attached? Yes Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page including cover Additional name(s) & address is being filed together with a new application of page includin	l	
Additional name(s) & address(es) attached?		Zip: <u>78746</u>
A. Patent Application No.(s) A. Patent Application No.(s) Intron.ings Name: Sprinkle IP Law Group (Customer No. 44654) Internal Address: Street Address: Street Address: City: Austin City: Aus	Other	Additional name(s) & address(es) attached2 Vee X No
5. Name and address to whom correspondence concerning document should be mailed: Name: Sprinkle IP Law Group (Customer No. 44654) Internal Address: Internal Address: Street Address: Internal Address	11/701,193 VIGN1640-3	B. Patent No.(s)
involved: 1 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Total number of pages including cover		tached? Yes No
Internal Address:	 Name and address to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: 1
X Authorized to be charged to deposit account	Name: Sprinkle IP Law Group (Customer No. 44654)	7 Total for /27 CED 1 24/L) 2 0 44)
Street Address: 1301 W. 25th Street, Suite 408 City: Austin State: TX Phone Number: 512-637-9220 Fax Number: 512-371-9088 Email Address: Deposit Account Number 50-3183 Authorized User Name Katharina W. Schuster Signature: Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover	Internal Address:	7. Total lee (37 CFR 1.21(n) & 3.41) \$_46.00
City: Austin State: TX Zip: 78705 Phone Number: 512-637-9220 Fax Number: 512-371-9088 Email Address: Authorized User Name Katharina W. Schuster Signature: Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover	Street Address: 1301 W. 25th Street, Suite 408	Enclosed
State: TX Zip: 78705 Phone Number: 512-637-9220 Fax Number: 512-371-9088 Email Address: Deposit Account Number 50-3183 Authorized User Name Katharina W. Schuster Signature: Date Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover	City: Austin	
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Email Address: Deposit Account Number 50-3183 Authorized User Name Katharina W. Schuster Signature: Date Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover]
Authorized User Name Katharina W. Schuster Signature: Signature Katharina W. Schuster (Reg. No. 50,000) Authorized User Name Katharina W. Schuster Feb. 2, 2009 Date Total number of pages including cover	· · · · · · · · · · · · · · · · · · ·	Deposit Account Number _50-31,83
Signature Date Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover	···	Authorized User Name <u>Katharina W. Schuster</u>
Katharina W. Schuster (Reg. No. 50,000) Total number of pages including cover	Signature: Signature:	45t-
	Signature	<u>keb. 6, 2009</u> Date
name of Person Signing sheet, attachments, and documents:	Katharina W. Schuster (Reg. No. 50,000) Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (871) 273-0140, or malied to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ATTORNEY DOCKET NO. VIGN1640-3

Application Serial No. 11/701,193

Attachment to PTO-1595 Assignment Additional Conveying Parties:

Jamshid Afshar Conleth O'Connell

-1-

ASSIGNMENT

This Assignment is made by N. Isaac Rajkumar, of Austin, Texas, Puhong You, of Cedar Park, Texas; David Dean Caldwell, of Dripping Springs, Texas; Brett J. Larsen, of Austin, Texas; Jamshid Afshar, of Austin, Texas; and Conleth O'Connell, of Austin, Texas ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled

METHOD AND SYSTEM FOR AN EXTENSIBLE CACHING FRAMEWORK, for which an application for

United States Letters Patent was made on December 11, 2003, bearing an application number
of 10/733,798; 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, and

any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention 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 **Vignette Corporation** having a principal place of business at **Two Barton Skyway**, **1601 South MoPac Expressway**, **Austin**, **Texas 78746** (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said application 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.

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

ATTORNEY DOCKET VIGN1640-1

P ENT APPLICATION

-2-

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, re-examination, 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 First Inventor:	N. (saac Rajkumar
Signature:	N. Caar Lailence
Date:	4/19/04
Name of Additional Inventor:	Puhong You
Signature:	and the second
Date:	4/19/04
Name of Additional Inventor:	David Dean Caldwell
Signature:	
Date:	
•	
Name of Additional Inventor:	Brett J. Larsen
Signature:	
Date:	
Name of Additional Inventor:	Jamshid Afshar
Signature:	for afor
Date:	9/13/04
Name of Additional Inventor:	G-I-II OIO
Signature:	Cordeth O'Connell
Date:	Could I to Grand III
-	<u> </u>

ASSIGNMENT

This Assignment is made by N. Isaac Rajkumar, of Austin, Texas, Puhong You, of Cedar Park, Texas; David Dean Caldwell, of Dripping Springs, Texas; Brett J. Larsen, of Austin, Texas; Jamshid Afshar, of Austin, Texas; and Conleth O'Connell, of Austin, Texas ("Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled

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United States Letters Patent was made on December 11, 2003, bearing an application number
of 10/733,798; 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, and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention 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 **Vignette Corporation** having a principal place of business at **Two Barton Skyway**, **1601 South MoPac Expressway**, **Austin**, **Texas 78746** (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said application 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.

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

ATTORNEY DOCKET VIGN1640-1

TENT APPLICATION

-2-

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, re-examination, 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.

Signature	N. Isaa¢ Rajkumar
Signature:	
Date:	
Name of Additional Inventor:	Pub
Signature:	Puhong You
Date:	
	_
Name of Additional Inventor.	
Signature:	David Dean Caldwell
Date:	
Name of Additional Inventor:	
Signature:	Brett J. Larsen
Date:	Alleghaner
	<u> 5-18-04</u>
. ME	
Name of Additional Inventor:	·
Signature:	Jamshid Afshar
Date:	
arne of Additional Inventor:	
ignature:	Conleth O'Connell
ate:	

05/18/2004 TUE 11:14 PATENTO 9623]

REEL: 022202 FRAME: 0356

-1-

<u>ASSIGNMENT</u>

This Assignment is made by N. Isaac Rajkumar, of Austin, Texas, Puhong You, of Cedar Park, Texas; David Dean Caldwell, of Dripping Springs, Texas; Brett J. Larsen, of Austin, Texas; Jamshid Afshar, of Austin, Texas; and Conleth O'Connell, of Austin, Texas ("Assignors").

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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, and any patents, invention registrations or other forms of protection ("Patents") that may be granted for said Invention 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 Vignette Corporation having a principal place of business at Two Barton Skyway, 1601 South MoPac Expressway, Austin, Texas 78746 (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said Invention, said application 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.

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

ATTORNEY DOCKET VIGN1640-1

RECORDED: 02/04/2009

PF NT APPLICATION

-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, re-examination, 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.

N. Isaac Rajkumar	
Puhong You	
David Dean Caldwell 6) and 62 them Coldwell 5/18/04	
Brett J. Larsen	
Jamshid Afshar	

05/18/2004 TUE 13:29 PATENTO 9708]

REEL: 022202 FRAME: 0358