

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anthony Ungerman</td> <td>11/17/1999</td> </tr> <tr> <td>Bradley J. Pedersen</td> <td>11/17/1999</td> </tr> <tr> <td>Tom C. Davis III</td> <td>11/17/1999</td> </tr> <tr> <td>Marc A. Bloomfield</td> <td>11/17/1999</td> </tr> <tr> <td>Antoliy Panasyuk</td> <td>11/17/1999</td> </tr> <tr> <td>Martin Duursma</td> <td>11/17/1999</td> </tr> <tr> <td>Robert Ciraldo</td> <td>11/17/1999</td> </tr> </tbody> </table>		Name	Execution Date	Anthony Ungerman	11/17/1999	Bradley J. Pedersen	11/17/1999	Tom C. Davis III	11/17/1999	Marc A. Bloomfield	11/17/1999	Antoliy Panasyuk	11/17/1999	Martin Duursma	11/17/1999	Robert Ciraldo	11/17/1999
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RECEIVING PARTY DATA																	
Name:	Citrix Systems, Inc.																
Street Address:	851 West Cypress Creek Road																
City:	Fort Lauderdale																
State/Country:	FLORIDA																
Postal Code:	33309																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>10908202</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10908202												
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CORRESPONDENCE DATA																	
Fax Number:	6173424001																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Email:	jrobins@foley.com, PTOMailBoston@foley.com																
Correspondent Name:	John D. Lanza																
Address Line 1:	111 Huntington Avenue																
Address Line 2:	Foley & Lardner LLP																
Address Line 4:	Boston, MASSACHUSETTS 02199																
ATTORNEY DOCKET NUMBER:	099011-0382 CTX-019USPCPN																

OP \$40.00 10908202

NAME OF SUBMITTER:	Jennifer Robins for John D. Lanza
Signature:	/Jennifer Robins/
Date:	08/22/2013
Total Attachments: 4 source=CTX-019-US-CPCN_Executed_Assignment#page1.tif source=CTX-019-US-CPCN_Executed_Assignment#page2.tif source=CTX-019-US-CPCN_Executed_Assignment#page3.tif source=CTX-019-US-CPCN_Executed_Assignment#page4.tif	

ASSIGNMENT

WHEREAS, We, Anthony Ungerma, Bradley J. Pedersen, Tom C. Davis, III, Marc Bloomfield, Anatoliy Panasyuk, Martin Duursma, and Robert Ciraldo have invented one or more improvements in:

**AN APPARATUS AND METHOD FOR DETERMINING A PROGRAM
NEIGHBORHOOD FOR A CLIENT NODE IN A CLIENT-SERVER NETWORK
USING MARKUP LANGUAGE TECHNIQUES**

described in an application (or provisional application) for Letters Patent of the United States:

identified by Attorney Docket No. CTX-019CP, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

Serial No. 09/390,928 filed in the United States Patent Office on September 7, 1999 ;
and

WHEREAS, Citrix Systems, Inc. (hereinafter "ASSIGNEE"), incorporated under the laws of the State of Delaware, and having a usual place of business at 6400 NW 6th Way, Fort Lauderdale, FL 33309 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, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application of such Letters Patent; said inventions, applications 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 all of our 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 our entire right, title and interest in and to said inventions, 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 Letters Patent to ASSIGNEE for its own name as assignee of our 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,

Joint Assignment

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and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

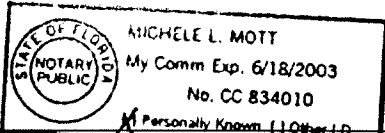
AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: *Anthony Ungerman*
Anthony Ungerman

State of Florida)
County of) ss

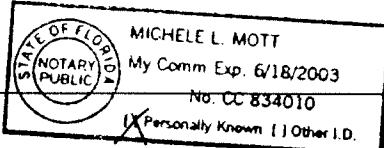
Subscribed and sworn to before me, by the above-named Anthony Ungerman this 17 day of NOVEMBER, 1999.

 *Michele L. Mott*
Notary Public
My Commission Expires: 6/18/2003

Inventor: *Bradley J. Pedersen*
Bradley J. Pedersen

State of Florida)
County of) ss

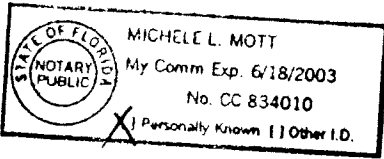
Subscribed and sworn to before me, by the above-named Bradley J. Pedersen this 17 day of NOVEMBER, 1999.

 *Michele L. Mott*
Notary Public
My Commission Expires: 6/18/2003

Inventor: *Tom C. Davis, III*
Tom C. Davis, III

State of Florida)
County of) ss

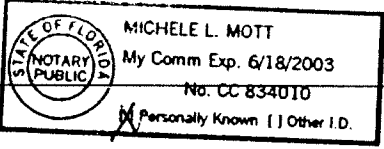
Subscribed and sworn to before me, by the above-named Tom C. Davis, III this 17 day of NOVEMBER, 1999.

 *Michele L. Mott*
Notary Public
My Commission Expires: 6/18/2003

Inventor: *Marc A. Bloomfield*
Marc A. Bloomfield

State of Florida)
County of) ss

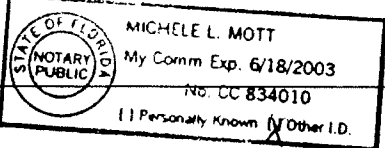
Subscribed and sworn to before me, by the above-named Marc A. Bloomfield this 17 day of NOVEMBER, 1999.

 *Michele L. Mott*
Notary Public
My Commission Expires: 6/18/2003

Inventor: *Anatoliy Panasyuk*
Anatoliy Panasyuk

State of Florida)
County of) ss

Subscribed and sworn to before me, by the above-named Anatoliy Panasyuk this 17 day of NOVEMBER, 1999.

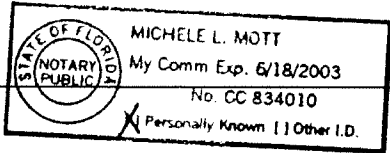
 *Michele L. Mott*
Notary Public
My Commission Expires: 6/18/2003

Inventor: Mh
Martin Duursma

State of Florida)
County of) ss

Subscribed and sworn to before me, by the above-named Martin Duursma this 17
day of NOVEMBER, 1999.

Michele L. Mott
Notary Public
My Commission Expires: 6/18/2003

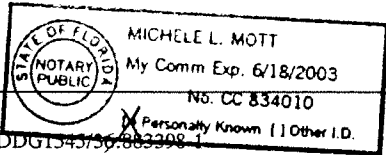


Inventor: Robert C. Ciraldo
Robert Ciraldo

State of Florida)
County of) ss

Subscribed and sworn to before me, by the above-named Robert Ciraldo this 17
day of NOVEMBER, 1999.

Michele L. Mott
Notary Public
My Commission Expires: 6/18/2003



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