

07-18-2001

FORM PTO-1595 (Rev. 3/01) OMD NO. 0651-0011 exp. 5/31/2002



J.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

101778959

PTO 09/900002 07/05/01

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Mark J. McArdle Brent A. Johnston Philip D. R. Nathan James Dool
07/05/01
Additional name(s) of conveying party(ies) attached? No Yes

2. Name and address of receiving party(ies): Name: Networks Associates Technology, Inc.
Internal Address: 3965 Freedom Circle
Street Address:
City: Santa Clara State/Province: CA Zip: 95054
Country: United States
Additional name(s) & address(es) attached? Yes No

3. Nature of Conveyance Assignment Merger Security Agreement Change of Name Other:
Execution Date(s): July 3, 2001

4. Application Number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: July 3, 2001
A. Patent Application No.(s) 09/900002
Additional numbers attached? Yes No

B. Patent No.(s)
Total number of applications and patents involved: 1

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Blakely, Sokoloff, Taylor & Zafman LLP
Internal Address:
Street Address: 12400 Wilshire Boulevard, 7th Floor
City: Los Angeles State: California Zip: 90025

7. Total Fee (37 CFR 3.41).....\$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit Account Number: 02-2666
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document
Sheryl Sue Holloway, Reg. 37,850 July 5, 2001
Name of Person Signing Signature Date
Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

Atty Docket No. 02114.P020

07/12/2001 09:00:00 AM 00000051 09900002

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PATENT REEL: 011973 FRAME: 0825

JOINT ASSIGNMENT

WHEREAS, WE, Mark J. McArdle, Brent A. Johnston, Philip D. R. Nathan and James Dool, (hereinafter "ASSIGNORS"), all citizens of Canada, residing at 212 Golf Course Road, Conestogo, Ontario, Canada, N0B 1N0; 144-208 Brybeck Cres., Kitchener, Ontario, Canada, N2M 2C6; 28-230 Blackhorne Drive, Kitchener, Ontario Canada, N2E 1Z4; and 405-500 Westmount Rd. W., Kitchener, Ontario, N2M 5M9 respectively; are the inventors of the invention in CONTROL OF INTERACTION BETWEEN CLIENT COMPUTER APPLICATIONS AND NETWORK RESOURCES for which we have executed an application for a Patent of the United States

- which is executed on even date herewith
- which is identified by BLAKELY SOKOLOFF TAYLOR & ZAFMAN attorney docket no. 002114.P020
- which was filed on [FILING DATE], Application No. [APPLICATION NO.]

and WHEREAS, Networks Associates Technology, Inc. (hereinafter "ASSIGNEE"), a Delaware Corporation having a business address at 3965 Freedom Circle, Santa Clara CA 95054, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Director of the United States Patent and Trademark Office, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have the full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries. In the event that one or more of the above inventors is not an employee of ASSIGNEE at the time such aid is required, they agree to render such aid in return for an hourly rate of pay no greater than twice their equivalent regular hourly pay as it stood on the date of their departure from ASSIGNEE.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date July 3, 2001

Mark J. McArdle

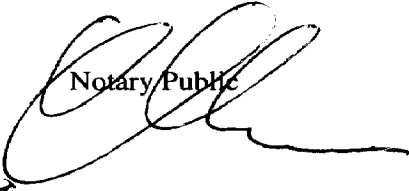
Mark J. McArdle

In the country of Canada, on July 31 01, before me, THEODORE CHRIS Notary Public, personally appeared Mark J. McArdle, personally known to me/proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they

executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

CHRIS and VOLKME
375 University Ave E
Waterloo Ontario

Notary Public


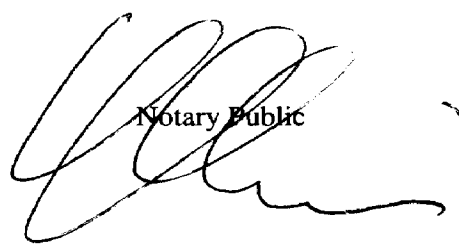
CANADA
519-888-0999

Date 7/3 2001
B.A. Johnston

Brent A. Johnston

In the country of Canada, on July 31 01, before me, THEODORE CHRIS, Notary Public, personally appeared Brent A. Johnston, personally known to me/proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

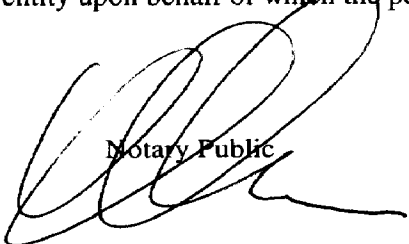
Notary Public


Date 7/3 2001
Philip D. R. Nathan

Philip D. R. Nathan

In the country of Canada, on July 31 01, before me, THEODORE CHRIS, Notary Public, personally appeared Philip D. R. Nathan, personally known to me/proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

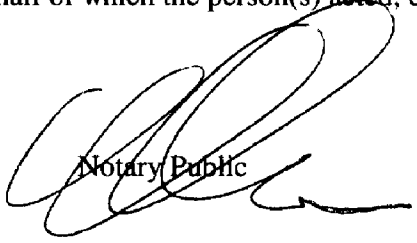
Notary Public


Date 7/3 James Dool, 2001

James Dool

In the country of Canada, on July 3/01, before me, THEODORA CHRIS, Notary Public, personally appeared James Dool, personally known to me/proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal


Notary Public