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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner For Patents: Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):
Pak-Tak Patrick Leong and King L. Won

Additional name(s) of conveying party(ies) attached?
 Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Date: January 24, 2000
January 28, 2000

2. Name and address of receiving party(ies):

Name: Network Associates, Inc.
Internal Address: _____

Street Address: 3695 Freedom Circle

City: Santa Clara
State: CA Zip: 95054

Additional name(s) & address(es) attached?
 Yes No

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: _____

A. Patent Application No.(s): 10/224,443
B. Patent No.(s): _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Hector J. Ribera
Internal Address: Fenwick & West LLP
Street Address: Silicon Valley Center
801 California Street
City: Mountain View State: CA Zip Code: 94041

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40
 Check Enclosed
 Fee Transmittal Enclosed
 Charge the indicated fees to the below mentioned deposit account.

8. Deposit Account No.: 19-2555

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9. Statement and signature:
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Hector J. Ribera, Reg. No. 54,397 [Signature] Jan. 28, 2005
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, documents: 3

Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Case Docket No.: 24523-09648

24523/09648/DOCS/1499788.

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PATENT
REEL: 15634 FRAME: 0713

CH \$40.00 192555 10224443

JOINT

ASSIGNMENT

WHEREAS, WE, Pak-Tak Patrick Leong and King L. Won, ASSIGNORS, citizens of the United Kingdom and the United States, respectively, residing at 265 N. Rengstorff Avenue #28, Mountain View, California 94043 and 763 Macklin Court, San Jose, California 95133, respectively, are the inventors of the invention in METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR PHYSICAL LINK LAYER HANDSHAKE PROTOCOL ANALYSIS for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or _____
- which is identified by Pennie & Edmonds LLP docket no. 9284-061-999
- which was filed on November 15, 1999, Application No. 09/440,804

and WHEREAS, Network Associates, Inc., ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other 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 Commissioner of Patents and Trademarks of the United States, 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 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.

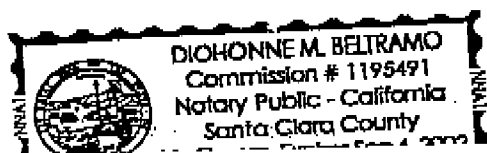
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 1/24/2000, 2000 Pak-Tak Patrick Leong L.S.

In the State of California, county of Santa Clara, on 1/24/00, before me, Dionne M. Beltramo, Notary Public, personally appeared Pak-Tak Patrick Leong, personally known to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Dionne M. Beltramo



Assignment - Page Two

Date 1/28/2000, 2000 King L. Won L.S.
King L. Won

In the State of California, County of Santa Clara, on 1/28/00, before me,
Diononne M. Beltramo, Notary Public, personally appeared King L. Won, personally known to me on the
basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me
that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the
entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal
Diononne M. Beltramo

