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09/943673  
09/31/01

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

1. Name of conveying party(ies):  
 Glen Salmon  
 John F. Kilroy

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

2. Name and address of receiving party(ies):  
 Name: International Business Machines Corporation  
 Internal Address: \_\_\_\_\_

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: August 30, 2001

Street Address: New Orchard Road  
 City: Armonk State: NY ZIP: 10504

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: 8/30/01

A. Patent Application No.(s)  
09/943673

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

BROWN RAYSMAN MILLSTEIN FELDER & STEINER LLP  
 900 Third Avenue  
 New York, New York 10022  
 (212) 895-2000

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):..... \$ 40.00  
 Check enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 02-4270  
 (Attach duplicate copy of this page by deposit account)  
 Please charge any additional fees required, or credit any overpayment, to the above deposit account

09/06/2001 E-MAIL 00000036 09943673  
 04 FC:581 40.00 BP

DO NOT USE THIS SPACE

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.*

Frederick Yu, Reg. No. 45,251 August 31, 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:  
 Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we, Glen SALMON, a citizen of the United States of America, residing at 102 Fern Avenue, Amesbury, Massachusetts 01913, and John F. KILROY, a citizen of the United States of America, residing at 18 Carolan Avenue, Hampton, New Hampshire 03842, have invented one or more inventions (hereinafter referred to as "said invention(s)") disclosed in an application for Letters Patent of the United States titled THREAD CONSISTENCY SUPPORT SYSTEM AND METHOD (hereinafter referred to as "said application"), said application having been executed on even date herewith.

WHEREAS, International Business Machines Corporation (hereinafter together with its successors and assigns referred to as "the Assignee"), a New York corporation having offices and a place of business at New Orchard Road, Armonk, New York 10504, is desirous of obtaining all rights, title and interest in, to and under said invention(s) and said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set over, and by these presents hereby sell, assign, transfer and set over to the Assignee all right, title and interest in, to and under said invention(s) and said application, including the right to apply for any Letters Patent of the United States of America and in any and all foreign countries on said invention(s), and any and all other applications for Letters Patent on said invention(s), in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part and convention applications based in whole or in part upon said invention(s) or upon said application, and any and all Letters Patent which may issue thereon in the United States and foreign countries, and any and all reissues, extensions, renewals, divisions, continuations or continuations-in-part of Letters Patent granted for said invention(s) or upon said applications, to the full term or terms for which said Letters Patent may be issued, and every priority right that is or may be predicated upon or arise from said invention(s), said application and said Letters Patent, the same to be held and enjoyed by the Assignee for its own use and benefit fully and entirely as if the same would have been held and enjoyed by us had this Assignment not been made. We hereby authorize the Assignee to file patent applications in any and all countries on any or all of said invention(s) in our names, or in its name, or otherwise as the Assignee may deem advisable, under the International Convention or otherwise.

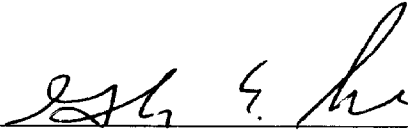
We hereby authorize the Commissioner of Patents and Trademarks of the United States, and any official of any other country empowered to issue patents, to record this Assignment, and to issue or transfer all said Letters Patent on said invention(s) to the Assignee as owner of all right, title and interest therein, or otherwise as the Assignee may direct, in accordance with the terms of this Assignment.

We hereby represent and warrant that we have the full right to convey the entire right and interest herein assigned, that there are no rights or interests outstanding inconsistent with the rights and interests granted herein, and that we will not execute any instrument or grant or transfer any rights or interests inconsistent with the rights and interests granted herein.

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

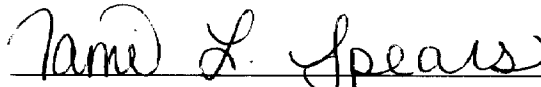
IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: 30-Aug-2001

  
 \_\_\_\_\_  
 (Signature) Glen SALMON

STATE OF MASSACHUSETTS )  
 ) ss.: 007-54-5810  
 COUNTY OF MIDDLESEX )

On this 30 day of Aug, 2001, before me came Glen SALMON, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

  
 \_\_\_\_\_  
 Notary Public

Date: \_\_\_\_\_

\_\_\_\_\_  
 (Signature) John F. KILROY

STATE OF \_\_\_\_\_ )  
 ) ss.:  
 COUNTY OF \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, 2001, before me came John F. KILROY, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

\_\_\_\_\_  
 Notary Public

We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: \_\_\_\_\_  
\_\_\_\_\_  
(Signature) Glen SALMON

STATE OF \_\_\_\_\_ )  
\_\_\_\_\_ ) ss.:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_ day of \_\_\_\_\_, 2001, before me came Glen SALMON, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

\_\_\_\_\_  
Notary Public

Date: 8/30/2001  
\_\_\_\_\_  
(Signature) John F. KILROY

STATE OF New Hampshire )  
\_\_\_\_\_ ) ss.: C10604573  
COUNTY OF Rockingham )

On this 30 day of August 2001, before me came John F. KILROY, to me known and known to me to be the individual described in, and who executed the foregoing instrument, and he/she has acknowledged to me that he/she has executed the same.

\_\_\_\_\_  
Notary Public