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SHEET

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Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): John C. McDonough, Suzanne K. McDonough and Erin D. O'Brien Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): FMR Corporation 82 Devonshire Street Boston, MA 02109 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: January 24, 2000 and January 31, 2000	210 APR 21 PM 3:23 OPR/FINANCE
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: ALAN D. SMITH Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i> Robert A. Greenberg Reg. No. 44,133 Name of Person Signing Signature: <u>Robert A. Greenberg</u> Date: <u>4/10/00</u>	
Total number of pages including coversheet, attachments and document: 5	

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

April 10, 2000
Date of Deposit

Cheryl A. Woodbury
Signature

Cheryl A. Woodbury
Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, we, JOHN C. MCDONOUGH of Braintree, MA, SUZANNE K. MCDONOUGH of Harvard, MA, and ERIN D. O'BRIEN of Acton, MA, hereby assign to FMR Corporation, a Massachusetts corporation having a place of business at: 82 Devonshire Street, Boston, MA 02109 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled NETWORK SERVER, filed January 19, 2000, and assigned U.S. Serial Number 09/487,958, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,

this 24 day of January of, 2000

JOHN C. MCDONOUGH

L.S.

State of Massachusetts _____ :

: ss.

County of Suffolk _____ :

Before me this 24th day of January, 2000, personally appeared JOHN C. MCDONOUGH known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Marie S. Collins

Notary Public

My Commission Expires: November 29, 2002

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,

this 24 day January of, 2000

Suzanne K. McDonough

SUZANNE K. MCDONOUGH

L.S.

State of Massachusetts :

: ss.

County of Suffolk :

Before me this 24th day of January, 2000, personally appeared SUZANNE K. MCDONOUGH known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Marie E. Collins

Notary Public

My Commission Expires: November 29, 2002

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,

this X 31 day X January of, 2000

X Erin D. O'Brien L.S.
ERIN D. O'BRIEN

State of Massachusetts :

: ss.

County of Suffolk :

Before me this 31st day of January, 2000, personally appeared ERIN D. O'BRIEN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Andrea B. Tavarres
Notary Public

My Commission Expires: 6/18/04

[Notary's Seal Here]