· • · · · · · · · · · · · · · · · · · ·		
M_{\bullet} O $M + 5 - C + 1$ RECOR 1	0-26-2004	
To the Honorable commissioner of Patents as		
Please record the attached original docume	102867032	
1. Name of conveying party(ies): Douglas P. Doucette	ceeiving party(ies):	
boughus II becoose	Name: Network Appliance, Inc.	
Additional name(s) of conveying	Street Address: 495 East Java Drive	
party(ies) attached? Yes X_ No	00 1	
	City: Sunnyvale	
	State: CA Zip: 94089 \$2	
3. Nature of conveyance:	= = = = = = = = = = = = = = = = = = = =	
X Assignment Merger		
Security Agreement		
Change of Name		
Other	Additional name(s) & address(es) Attached?Yes X_No	
Execution Date: October 13, 2004	100	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new a date of the application is: October 13, 2004 A. Patent Application No.(s)	B. Patent No. (s)	
Additional numbers attached	l? Yes X No	
5. Name and address of party to whom	6. Total number of applications and	
correspondence concerning document should be mailed:	patents involved:1	
maneu.	7. Total fee (37 CFR 3.41) \$40.00	
Name: Duane H. Dreger	X Enclosed	
Street Address: Cesari and McKenna, LLP	Authorized to be charged to deposit Account	
88 Black Falcon Avenue	8. Deposit account no. 03-1237 (Attach duplicate	
City: Boston State: MA Zip: 02210	copy of this page if paying by deposit account)	
0/22/2004 DEMMANU1 00000026 10966605 DO NOT U	SE THIS SPACE	
1 FC:8021 40.00 OP		
9. Statement and signature. To the best of my knowledge and belief, the foregoing information copy of the original document.	tion is true and correct and any attached copy is a true	
Duane H. Dreger, Reg. No. 48,836	October 15, 2004	
Name of Person Signing Signatur	re Date	
The PTO did not receive the following	-	
listed item(s) <u>fee not enclose</u>	d_	

PATENT REEL: 015909 FRAME: 0142

ASSIGNMENT

Whereas We, Vijayan Rajan, whose residence address is 431 Costa Mesa Terrace #A, Sunnyvale, CA 94085-1612, David Brittain Bolen, whose residence address is 200 Eatondale Road, Apt 204, Durham, NC 27704, and Douglas P. Doucette, whose residence address is 1864 Scenic Avenue, Freeland, WA 98249, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled SYSTEM AND METHOD FOR RECLAIMING UNUSED SPACE FROM A THINLY PROVISIONED DATA CONTAINER, identified by Cesari and McKenna File No. P01-1965/112056-0213, which application was executed by us herewith; and

Whereas Network Appliance, Inc., whose address is 495 East Java Drive, Sunnyvale, CA 94089, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

- 1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;
- 4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- 5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed

PATENT REEL: 015909 FRAME: 0143 by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

Date	Vijayan Rajan, Inventor		
State of California))ss.		
County of	,		
On	, before me,	, personally	
appeared Vijayan Rajan,			
		personally known to me proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are 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	
[seal]		Signature of Notary Public	

PATENT REEL: 015909 FRAME: 0145

Date	David Brittain Bolen, Inventor	
State of North Carolina)	
County of)ss.)	
Bolen, to me known and kn	of, 2004, before me appeared be own to me to be the person described in and when acknowledged the same to be his free act and	no executed the
	Notary Public	
[seal]		
(0/3/0Y Date	Douglas P. Doucette, Inventor	
State of Washington County of Island))ss.)	
Doucette, to me known and	of Otobur, 2004, before me appeared I known to me to be the person described in and ad he acknowledged the same to be his free act.	who executed
SACTA [seal]	<u>Jame Jallon</u> Notary Public	
The William State of the State	4	

PATENT REEL: 015909 FRAME: 0146

RECORDED: 10/15/2004