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D1 FC:8021 40.00 CH	sheet information to: nissioner for Patents 3ox Assignment nington, D.C. 20231
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OMB No. 0651-0011 (exp. 4/94)	
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Marci Santillanes Mauu	- Aartillaus Dec 19, 2002
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Intellectual Property Administration HEWLETT-PACKARD COMPANY P.O. Box 272400	Enclosed
Records Manager	7. Total Fee (37 CFR 3.41): \$40.00
5. Name and address of party to whom correspond concerning document should be mailed:	lence 6. Total number of applications and patents involved: 1
Confirmation No.: 8842 Additional r	numbers attached? NO
Application No.: 10/233,230 Date File	d: 08-30-2002
A. Patent Application No.(s)	B. Patent No.(s)
If this document is being filed together with a new	
4. Application number(s) or patent number(s):	
Execution Date(s): Respectively;12-03-2002,12-03	-2002,12-04-2002,12-04-2002
Security Agreement Oth	her is a second of the second
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3. Nature of Conveyance:	
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Martin L. Ackerman Michael Eugene Lutz	Fort Collins, Colorado 80527-2400
Richard L. Peterson Martin L. Ackerman 17 17 10 10 10 10 10 10 10 10 10 10 10 10 10	Intellectual Property Administration P.O. Box 272400
Randall E. Messick	HEWLETT-PACKARD COMPANY
 Name of conveying party(ies): 	2. Name and address of receiving party(ies):
102327	Attorney Docket No. 100203789-1
1-31-92	Potent and Tradement Office
FORM PTO-1595 01-03-	2003 U.S. DEPARTMENT OF COMMERCE

REEL: 013615 FRAME: 0208

PATENT APPLICATION ATTORNEY DOCKET NO. 100203789-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

its successors under an applic	and assigns, the entire rigl ation for Letters Patent of t	ht, title and interest, including the the United States entitled:	right of priority, in, to and
		nts Of A Storage Area Network	According To Priorities Fo
Bandwidth Allo	cation		
Filing date:	08-30-2002	Application No.: 10/23	3,230
continuations-in Letters Patent,	n-part (C-I-P's), divisionals, and any and all Letters F	t(s) set forth therein, and an and renewals of and substitutes f Patent of the United States and o r; and any reissues, or reexamina	or said application for said for countries foreign thereto
to be held and of the term or	enjoyed by HP, its success terms for which said Lette tirely as the same would ha	applications in my/our name for Let ors, assigns, nominees or legal rep ors Patent respectively may be gran ave been held and enjoyed by me/u	resentatives, to the full end nted, reissued or extended,
and that I/we further covena execute and dinvention(s) or nominees or le facts respectin in any legal continuations, generally to representatives invention(s) or	have not executed and wint and agree that I/we will eliver all such papers as improvement(s), said applicing all representatives, and I/wig said invention(s) or improproceedings, to sign all C-I-P's, reissue and foreign do everything possible to to obtain and enforce, for	have full right to convey the enti- ll not execute any agreement in a ill, each time a request is made, may be necessary or desirable to cation and said Letters Patent, to be we agree to communicate to HP, o evement(s), said application and sa lawful papers, to execute all d applications, to make all rightful o o aid HP, its successors, assi- or its or their own benefit, proper all countries provided the expenses sistance are paid by HP;	conflict herewith, and I/we and without undue delay, o perfect the title to said HP, its successors, assigns, r to its nominee, all known id Letters Patent, to testify isclaimers and divisionals, baths and declarations, and gns, nominees and legal patent protection for said
States and any patents on app any and all Let the United Sta	official of any country or colications as aforesaid, to is ters Patent for said invention	st the Commissioner of Patents and countries foreign to the United States sue to HP, as assignee of the entents of the industrial of the countries of the entents of the granted on or as a result of the entent.	es whose duty it is to issue tire right, title and interest, any and all Letters Patent of
application nov	identified by the attorney	attorneys to insert the serial num docket number and title set forth he United States Patent and Trader	above as soon as the same
IN WITHES	S WHEREOF I/we hereunt	o set my/our hand(s) and seal(s):	
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1 Livelet (a (See)	o set my/our hand(s) and seal(s):Date Assignment Signed:/2/3	12007
Inventor's Typed N	ama: Pandall E Massick	Date Application Signed	12/3/2002
State of)	Date / ipplication Cignot	
County of) ss.:		
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is personally know	day of nor proved to me on the basis nament to be his/her free act and comments.	, personally appeared Randall E. Me of satisfactory evidence to be the person deed.	ssick who who acknowledged the foregoing
			Public mmission expires:
Rev 05/02 (Assign)	(Use Page Two For Ad	lditional Inventor(s) Signature(s))	Page 1 of 2
	(Use Page Three For A	additional Inventor(s) Signature(s))	Page 2 of 2

Rev 05/02 (Assign)

PATENT REEL: 013615 FRAME: 0209 HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION ATTORNEY DOCKET NO. 100203789-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set m	ny/our hand(s) and seal(s):
Inventor's Signature (Seal)	Date Assignment Signed: 12/3/2002 Date Application Signed: 12/3/2003 2
Inventor's Typed Name: Richard L Peterson	Date Application Signed: $12/3/200$ 2
State of) ss.:	
County of	
Before me this day of is personally known or proved to me on the basis of sinstrument of assignment to be his/her free act and deed	, personally appeared <u>Richard L. Peterson</u> who satisfactory evidence to be the person who acknowledged the foregoing d.
	Notary Public My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name: Martin L. Ackerman	Date Application Signed: 12/4/02
State of)) ss.:	
County of	
	, personally appeared <u>Martin L Ackerman</u> who satisfactory evidence to be the person who acknowledged the foregoing it.
	Notary Public My commission expires:
Muluf Corene July Inventor's Signature (Seal)	Date Assignment Signed: 12 / 4/ 2 の ジュ
Inventor's Typed Name: Michael Eugene Lutz	Date Application Signed: 12/4/2002
State of) ss.:	
County of)	
Before me thisday of, is personally known or proved to me on the basis of sinstrument of assignment to be his/her free act and deed.	atisfactory evidence to be the person who acknowledged the foregoing
	Notary Public
	My commission expires:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2

RECORDED: 12/26/2002

PATENT REEL: 013615 FRAME: 0210