	09-27-199	99 —			
FORM PTO - 1595		 Biiii Bio: 1801	U.S. DEPARTMENT OF COMMERCE		
7-30-93		EET EET	Patent and Trademark Office		
	10113546	4			
1. Name of conveying party(ies):		2. Name and addre	ess of receiving party(ies):		
Andrew Fitzhugh		HEWLETT-PACKARD COMPANY			
Tong Zheng		Legal Department, M/S 20BN			
Michael Strittmatter		3000 Han	over Street		
		Palo Alto	, CA 94304		
Additional name(s) of conveying party(ies	s) attached? No	Additional name(s)	& address(es) attached? No		
3. Nature of Conveyance: 5 -13					
X Assignment	Merger				
Security Agreement	_ Change of	Name			
Other _					
Execution Date(s): <u>Jan. 26, 1998</u>					
Application number(s) or patent number	er(s):				
If this document is being filed together wit	th a new application, the	execution date of the	application is:		
A. Patent Application No.(s)		B. Patent No.(s)			
Ser. No.: 09/105,904 Date Filed	June 26, 1998	-			
	Additional numbe	rs attached? <u>NO</u>			
5. Name and address of party to whom concerning document should be mailed:	orrespondence	6. Total number of	f applications and patents involved: <u>1</u>		
Jerome Dechant RE: 10981305	5-1	7. Total Fee (37 C	FR 3.41): \$40.00		
HEWLETT-PACKARD COMPAI	NY	_ Enclos	ed		
Legal Department, IP Section		X Autho	rization to be charged to deposit account		
19111 Pruneridge Ave., M/S 44	L18	8. Deposit Accoun	nt Number: <u>08-2025</u>		
Cupertino, CA 95014-0795		(attach duplicate caccount.)	opy of this page if paying by deposit		
	DO NOT USE	THIS SPACE	Change 40.00		
9. Statement and signature.			Nospes		
To the best of my knowledge and belief, to original document.	he foregoing information	is true and correct a	nd any attached copy is a true copy of the		
Jerome Dechant	frome De	chant	<u>May 6, 1999</u>		
Name of Person Signing	Signature		Date		
	Total number of p	pages including cove	er sheet,attachments and documents: 10		
OMB No. 0651-0011 (exp.4/94)					
	Do not detacl	n this portion			
Mail documents to be recorded with requ	uired cover sheet informa	tion to:			
	Assistant Commis	sioner for Patents ignment			
	Washington				

PATENT APPLICATION

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

ATTORNEY DOCKET NO. 10981305-1

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:
A Method And Apparatus For Visualizing The Tile Access Frequencies For Tiled, Multi-Resolution
Images
Filing date: June 26, 1998 Serial No.: <u>09/109,904</u> 09/105,904
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.
I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;
AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP;
AND I/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 on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.
I/we further authorize and direct HP attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.
Date Assignment Signed: June 26-1998
nventor's Signature/(Seal)
nventor's Typed Name: Andrew Fitzhugh Date Application Signed: June 26, 1998
State of California)
County of Santa Clara)
Before me this 26 day of June, 1998 , personally appeared Andrew Fitzhugh who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing

instrument of assignment to be his/her free act and deed. KATHY FERGUSON Commission # 1144148 Notary Public -- California Santa Clara County

Notary Public 28/2001

ASSIGNMENT OF PATENT APPLICATION (cont.)

N WITNES	S WHEREOF, I	we hereunto set my/o	our hand(s) and seal(s):	
	4-26	<u></u>	Date Assignment Signed:	6/26/98
_	nature (Seal) U	0		61.26/98
ventor's Typ	ped Name: Tong Zh	eng	Date Application	Signed: 6/26/98
tate of Ca	alifornia	}		
ounty of Sa	anta Clara) ss.:)		
ersonally kn	own or proved to			person who acknowledged the foregoing Notary Public My commission expires: June 28, 2001
ventor's Sig	nature (Seal)	th	Date Assignment Signed:	
ventor's Typ	oed Name: Michael	Strittmatter	Date Application S	Signed: 6-26-98
ate of Ca	lifornia)		
unty of Sa	inta Clara) ss.:)		
ersonally kno	own or proved to assignment to be hi		The second of th	Person who acknowledged the foregoing Status Person who acknowledged the foregoing Status Public Public My commission expires: June 28, 2001
entor's Sign	nature (Seal)		Date Assignment Signed:	
entor's Type			Date Application S	signed:
			Sate Application S	
te of)) ss.:		
inty of)		
Before me	this day of _	, per	sonally appeared	who is
sonally kno	wn or proved to i	me on the basis of satisf s/her free act and deed.	factory evidence to be the p	erson who acknowledged the foregoing
				Notary Public My commission expires:

ATTORNEY DOCKET NO. __10981305-1

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

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,

	bligations to HP, and do hereby assign and transfer to HP, its le and interest, including the right of priority, in, to and under ed States entitled:
	The Tile Access Frequencies For Tiled, Multi-Resolution
Images	5
Filing date: June 26, 1998	Serial No.:09/108,904
continuations-in-part (C-1-P's), divisionals, a Letters Patent, and any and all Letters Pate	(s) set forth therein, and any and all continuations, and renewals of and substitutes for said application for said nt of the United States and of countries foreign thereto which ry reissues, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, the term or terms for which said Letters F	plications in my/our name for Letters Patent in any country, to assigns, nominees or legal representatives, to the full end of Patent respectively may be granted, reissued or extended, as been held and enjoyed by me/us had this assignment, and
that I/we have not executed and will not ecovenant and agree that I/we will, each tindeliver all such papers as may be necessimprovement(s), said application and said legal representatives, and I/we agree to comsaid invention(s) or improvement(s), said proceedings, to sign all lawful papers, to reissue and foreign applications, to make everything possible to aid HP, its successoenforce, for its or their own benefit, prope	we full right to convey the entire interest herein assigned, and execute any agreement in conflict herewith, and I/we further the arequest is made, and without undue delay, execute and sary or desirable to perfect the title to said invention(s) or Letters Patent, to HP, its successors, assigns, nominees or municate to HP, or to its nominee, all known facts respecting application and said Letters Patent, to testify in any legal execute all disclaimers and divisionals, continuations, C-I-P's, et all rightful oaths and declarations, and generally to do rs, assigns, nominees and legal representatives to obtain and repatent protection for said invention(s) or improvement(s) in which may be incurred by me/us in lending such cooperation
States and any official of any country or co patents on applications as aforesaid, to issu and all Letters Patent for said invention(s) o	t the Commissioner of Patents and Trademarks of the United buntries foreign to the United States whose duty it is to issue to HP, as assignee of the entire right, title and interest, any or improvement(s), including any and all Letters Patent of the granted on or as a result of the application aforesaid, in int.
application now identified by the attorney of	attorneys to insert the serial number and filing date of said docket number and title set forth above as soon as the same a United States Patent and Trademark Office.
al Test L	Date Assignment Signed: Jac 26- 1997
nventor's Signature (Seal)	
nventor's Typed Name: Andrew Fitzhugh	Date Application Signed: June 26, 1998
State of California)	
) ss.: County of Santa Clara)	
	, personally appeared Andrew Fitzhugh who is satisfactory evidence to be the person who acknowledged the foregoing ed.
Notary Public — California Santa Clara County Not Comm. Evolves. No. 28, 2001	My commission expires: June 28, 2001

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

Santa Clara County My Comm. Expires Jun 28, 2001

> Page 1 of 2 PATENT REEL: 010119 FRAME: 0252

PATENT APPLICATION ATTORNEY DOCKET NO. 10981305-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I w	re hereunto set m	y/our hand(s) and seal(s):	:		
4 29		Date Assignment Signed:	6	126198	
nventor's Signature (Seal)	V			6126198	7
nventor's Typed Name: Tong Zher	19	Date Applicatio	on Signed:	0 700 7	
tate of California)) ss.:				
County of Santa Clara)				
Before me this 26 day of _	June, 1998 ,	, personally appeared Tong	j Zheng		who is
personally known or proved to monstrument of assignment to be his		8 and a s	Notary Public	a Fero	<u> </u>
MGR. Stanoventor's Signature (Seal)	74	Date Assignment Signed:_	6-6	26 - 98	
nventor's Typed Name: Michael St	trittmatter			6-26 98	-
	,section to	Date Application	n Signed:	0 00- 10	
tate of California)) ss.:				
ounty of Santa Clara)				
Before me this 26 day of ersonally known or proved to mostrument of assignment to be his/	ne on the basis of s	atisfactory evidence to be the	e person who	acknowledged the	who is foregoing
wentor's Signature (Seal)	Comm. Expires Jun 28, 2	Date Assignment Signed:			
ventor's Typed Name:		Date Application	n Signed:		
tate of)				
ounty of) ss.:)				
Before me this day of ersonally known or proved to m strument of assignment to be his/l	e on the basis of sa	atisfactory evidence to be the	person who	acknowledged the	_ who is foregoing
			Notary Public		
			My commission	n expires:	

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

Page 2 of 2

PATENT REEL: 010119 FRAME: 0253