FORM PTO-1595 1-31-92	06-25-2001	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
		Attorney Docket No. 10010006-1		
1. Name of conveying party(ic Peter D. Maroni Thomas N. Indermaur James Kwok Yue Wai Jonathan P. Lotz	101758385 MRD G-21-01	2. Name and address of receiving party(ies): HEWLETT-PACKARD COMPANY Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400		
Additional name(s) of conveying party(ies)	attached Yes X No	Additional name(s) & address(es) attached?Yes _X_ No		
3. Nature of Conveyance:				
X Assignment	Merger	Change of Name		
Security Agreement	Other			
Execution Date(s): Rerspectively;0	2-13-2001,02-13-200	1,02-12-2001,02-12-2001		
4. Application number(s) or patent	number(s):			
If this document is being filed tog	ether with a new applic	cation, execution date of the application is:		
A. Patent Application No.(s)		B. Patent No.(s)		
Serial No.: 09/784,662 Date File	d: 02-15-2001			
	Additional numbe	rs attached? <u>NO</u>		
Name and address of party to whom correspond concerning document should be mailed:		6. Total number of applications and patents involved: 1		
Records Manager HEWLETT-PACKARD COMI Legal Dept MS 79 3404 E. Harmony Road Ft. Collins, CO 80528		7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X Authorization to be charged to deposit account.		
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Marci Santillanes Marci Santillanes Jun 15, 2001				
Name of Person Signing	Signature	Date ng cover sheet, attachments, and document: 4		
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PATENT APPLICATION

HEWEETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 10010006-1

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:

Hierarchical Metal One Usage Tool For Child Level Lo	eaf Cell	
Filing date: 02-15-2001	Serial No.:	09/784,662
and the invention(s) and improvement(s) set continuations-in-part (C-I-P's), divisionals, and rene Letters Patent, and any and all Letters Patent of the may be granted thereon or therefor; and any reiss Patent.	wals of and s United States	substitutes for said application for said and of countries foreign thereto whic
I/we additionally authorize HP to file applications be held and enjoyed by HP, its successors, assigns the term or terms for which said Letters Patent re fully and entirely as the same would have been h transfer not been made;	, nominees or spectively may	legal representatives, to the full end o y be granted, reissued or extended, a
AND I/we hereby covenant that I/we have full rithat I/we have not executed and will not execute covenant and agree that I/we will, each time a requeliver all such papers as may be necessary or improvement(s), said application and said Letters Parepresentatives, and I/we agree to communicate to invention(s) or improvement(s), said application proceedings, to sign all lawful papers, to execute reissue and foreign applications, to make all rigeverything possible to aid HP, its successors, assign enforce, for its or their own benefit, proper patent any and all countries provided the expenses which and assistance are paid by HP;	any agreemen uest is made, desirable to p tent, to HP, its HP, or to its n and said Lerall disclaimers ptful oaths a protection for	t in conflict herewith, and I/we further and without undue delay, execute an erfect the title to said invention(s) of successors, assigns, nominees or legal ominee, all known facts respecting said ters. Patent, to testify in any legal and divisionals, continuations, C-I-P's and declarations, and generally to divide and legal representatives to obtain any said invention(s) or improvement(s) in
AND I/we hereby authorize and request the Co States and any official of any country or countries patents on applications as aforesaid, to issue to HP and all Letters Patent for said invention(s) or impro United States which may be issued and granted accordance with the terms of this assignment.	foreign to the , as assignee ovement(s), inc	United States whose duty it is to issu of the entire right, title and interest, an luding any and all Letters Patent of th
I/we further authorize and direct HP attorney application now identified by the attorney docket r shall have been made known to them by the United	iumber and titl	le set forth above as soon as the sam
IN WITNESS WHEREOF, I/we hereunto set my/o	our hand(s) and	d seal(s):
Inventor's Signature (Seal)	e Assignment Sign	ed: 2//3/01
Inventor's Typed Name: Peter D. Maroni	Date Applic	ation Signed: 2/13/61
State of Colorado		
County of Larimer)		
Before me this 13 day of FEB.2001, person personally known or proved to me on the basis of satisfactor instrument of assignment to be his/her free act and deed.	ally appeared ory evidence to b	Peter D. Maroni who be the person who acknowledged the foregoin Notary Public Notary Public who
		My commission expires:

My Commission Expires

08/16/2003 **PΔTFNJ**1 of 2

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

Fort Collins, Colorado 80527-2400

P. O. Box 272400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10010006-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Jim M1. London enventor's Signature (Seal)	Date Assignment Signed: 3 /13 /2001
nventor's Signature (Seal)	2 12 12 000
nventor's Typed Name: Thomas N Indermaur	Date Application Signed: 2/13/2001
State of Colorado)	
) ss.: County of Larimer)	
Before me this 2 day of 2001 d	, personally appeared Thomas N Indermaur who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	My Commission Expires: My Commission Expires 08/16/2003
Jame Lwole Yue Winderprenter's Signature (Seal)	Date Assignment Signed: 2/12 /201
nventor's Typed Name: James Kwok Yue Wai	Date Application Signed: 2/11/200 (
State of Colorado)	
) ss.: County of Larimer)	
Before me this 200 day of FFB.200 personally known or proved to me on the basis instrument of assignment to be his/her free act and	, personally appeared James Kwok Yue Wai who is of satisfactory evidence to be the person who acknowledged the foregoing deed. Notary Public My commission expires:
O A A A	My Commission Expires 08/16/2003 Date Assignment Signed: 2/12/2001
nyentor's Signature (Seal)	
nventor's Typed Name: Jonathan P Lotz	Date Application Signed: 2/12/200/
State of Colorado)	
) ss.: County of Larimer)	
Before me this 12th day of FFB 2001 personally known or proved to me on the basis instrument of assignment to be his/her free act and	, personally appeared Jonathan P Lotz who is of satisfactory evidence to be the person who acknowledged the foregoing deed. Notary Public My commission expires:

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

Rev 10/00 (Assign)

RECORDED: 06/21/2001

PATENT REEL: 011912 FRAME: 0611

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