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ATTORNEY DOCKET NO	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
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Name of conveying party(ies):	103383999 ring party(les):			
Nobuhiko Kobayashi	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.			
Shih-Yuan Wang	20555 SH 249			
	Houston, TX 77070			
Additional name(s) of conveying party(ies) attached?   Yes	s 🗷 No Additional name(s) and address(es) attached? 🗌 Yes 🗵 No			
3. Nature of Conveyance:				
	hange of Name Security Agreement Joint			
Other	` '			
Execution Date(s):01/31/2007; 01/31/2007				
4. Application number(s) or patent number(s):				
	pplication, execution date of the application is:March 1, 2007			
A. Patent Application No.(s)	11/0121 22			
, , , , , , , , , , , , , , , , , , ,	te Filed: 11/7/2632			
Confirmation No.: B. F	Patent No.(s):			
Additional numbers attached? <u>NO</u>				
5. Name and address of party to whom correspondence	ce 6. Total number of applications and patents involved: 1			
concerning document should be mailed:	7. Total Fee (37 CFR 3.41):\$40.00			
Records Manager	Enclosed			
Intellectual Property Administration HEWLETT-PACKARD COMPANY	,			
P.O. Box 272400	X_Authorization to be charged to deposit ecount.			
Fort Collins, Colorado 80527-2400	8. Deposit Account Number: <u>08-2025</u>			
Statement and signature.	ing information is true and correct and any attached copgs a true			
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To the best of my knowledge and belief, the foregoing copy of the original document.	ing information is true and correct and any attached copies a true			
copy of the original document.	00000110 10.00 DA			
copy of the original document.  Marcus S. Simon	March 1, 2007			
Marcus S. Simon Name of Person Signing	March 1, 2007  Signature  Date  Signature			
Marcus S. Simon  Name of Person Signing  Total number of pages including co	March 1, 2007			

U.S. PTO

Rev.10/06a (Assignment)

ATTORNEY DOCKET NO.

200603251-1

## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston. Texas, (hereinafter HRDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC; 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: METHODS OF FORMING NANOSTRUCTURES ON METAL SILICIDE CRYSTALLITES, AND RESULTING STRUCTURES AND DEVICES Filing Date: Application No.: 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 therefore; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors assigns, nominees or legal representatives, to the full and 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 l/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 live 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 HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, 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 ald HPDC, 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 HPDC: AND I/we hareby 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 HRDC, 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 the attorneys of record 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. IN WITNESS WHEREOF, I'we hereunto set my/our hand(s) and seal(s): Inventor's Signature (Seal) Nobuhiko Kobayashi inventors Typed Name State of County of Nobuhiko Kobayashi , personally appeared Before me this: day of 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. DAILAN PARKE My Commission Exerns:

Page 1 of 2

REEL: 019037 FRAME: 0702

## PATENT APPLICATION

## ASSIGNMENT OF PATENT APPLICATION (cont.)

	love hereunto set my/our hand(s	s) and seal(s);
	way.	1.191101
Inventor's Signature (Séal)		Date Assignment Signed
Shih-Yuan Wang	V.	113407
Inventor's Typed Name	<u>,                                      </u>	Date Application Signed
The second secon		
State of	)	
County of	) <b>53.</b> 2	·
Before me this day of	, personally appeared	Shih-Yuan Wang who is personally
known or proved to me on the bas	s of satisfactory evidence to be t	he person who acknowledged the foregoing instrument of
assignment to be his/her free act and	J.deed.	<u>.</u>
		Notary Public  My Commission Expires:
		,
Inventor's Signature (Seal)		Date Assignment Signed
Inventor's Typed Name	<u> </u>	Date Application Signed
		Cora Shhrisanni Sigi Bd.
State of	)	
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Inventor's Signature (Seal)		Date: Assignment Signed
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RECORDATIO	ON FORM COVER SHEET			
PAT	ENTS ONLY			
Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Nobuhiko Kobayashi	HEIM ETT BACKARD DEVELORMENT COMPANY I P			
Shih-Yuan Wang	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070			
Additional name(s) of conveying party(les) attached?  Yes [	×No Additional name(s) and address(es) attached? ☐Yes ×No			
3. Nature of Conveyance:	The state of the s			
■ Assignment	nge of Name Security Agreement Joint			
Other	· ,			
Execution Date(s):01/31/2007; 01/31/2007				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new appl	lication, execution date of the application is:March 1, 2007			
A. Patent Application No.(s)				
Application No.: Date F	Filed:			
Confirmation No.:  B. Patent No.(s):				
Additional numbers attached? NO				
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:1			
concerning document should be mailed:	7. Total Fee (37 CFR 3.41):\$40.00			
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P.O. Box 272400	8. Deposit Account Number: 08-2025			
Fort Collins, Colorado 80527-2400	U. Deposit recount			
Statement and signature.  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.				
$\sim$ $\sim$	March 1, 2007			
Marcus S. Simon Date				
NAME OF GIOCH CISCHS	ersheet, attachments, and documents:3			
	sheet) should be faxed to (571) 273-0140, or mailed to: tor of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450			
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Rev 10/06a (RecdAsgn)

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**RECORDED: 03/01/2007**