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James Stasiak		HEWLETT-PACKARD COMPANY
Jennifer Wu		Intellectual Property Administration P.O. Box 272400
David E. Hackleman		Fort Collins, Colorado 80527-2400
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X Assignment	Merger	Change of Name
Security Agreement	Other	
Execution Date(s): 09/26/2002, 09/25/2	2002, 09/20/200	2
4. Application number(s) or patent numb		
		cation, execution date of the application is:
A. Patent Application No.(s)		B. Patent No.(s)
Application No.: 10/256,984	Date Filed: 09	0/27/2002
		ers attached? NO
5. Name and address of party to whom concerning document should be mailed		6. Total number of applications and patents involved: 1
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
Intellectual Property Administration HEWLETT-PACKARD COMPANY	on	Enclosed
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Chris Griffin	Chris	Huffin Feb 09, 2003
Name of Person Signing	Signature	Date
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02/24/2003 DBYRNE 00000209 082025 1025698	Commissio	ner for Patents Assignment
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Ben 01/02 (Boodess)		PATENT

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PATENT APPLICATION ATTORNEY DOCKET NO. 100201346-1

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:

Nanometer-Scale Sen	niconductor Devices And M	ethod Of Making	
Filing date:	09/27/2002	Application No.:_	10/256, 984
continuations-in-part Letters Patent, and	(C-I-P's), divisionals, and re any and all Letters Patent	enewals of and substit of the United States	d any and all continuations utes for said application for said and of countries foreign thereto aminations, or extensions of said
to be held and enjoyed of the term or terms	d by HP, its successors, as for which said Letters Pate is the same would have been	signs, nominees or legent respectively may b	or Letters Patent in any country al representatives, to the full end e granted, reissued or extended me/us had this assignment, and
and that I/we have a further covenant and execute and deliver invention(s) or improve nominees or legal rep facts respecting said in any legal procee continuations, C-I-P's generally to do everepresentatives to ob- invention(s) or improve	not executed and will not agree that I/we will, each all such papers as may be rement(s), said application a resentatives, and I/we agree invention(s) or improvement dings, to sign all lawfulls, reissue and foreign application and enforce, for its of the said and and enforce, for its of the said and enforce and the said	execute any agreement time a request is not be necessary or desiration and said Letters Patent et to communicate to later, said application a papers, to execute eations, to make all right HP, its successors, or their own benefit, partries provided the expansive the ex	e entire interest herein assigned to in conflict herewith, and I/we hade, and without undue delay, able to perfect the title to said, to HP, its successors, assigns, HP, or to its nominee, all knowned said Letters Patent, to testify all disclaimers and divisionals, and assigns, nominees and legaroper patent protection for said benses which may be incurred by
States and any official patents on application any and all Letters Pathe United States when the United States with	al of any country or countriens ns as aforesaid, to issue to tent for said invention(s) or	es foreign to the United HP, as assignee of the improvement(s), include	ts and Trademarks of the United States whose duty it is to issue ne entire right, title and interest, ding any and all Letters Patent of t of the application aforesaid, in
application now ident	horize and direct HP attorn ified by the attorney docke known to them by the Unit	t number and title set t	I number and filing date of said forth above as soon as the same Trademark Office.
IN WITNESS WH	EREOF, I/we hereunto set m	ny/our hand(s) and seal	(s):
		ate Assignment Signed:	9-24-02
Inventor's Signature (Seal)		ato Assignment olghed	
Inventor's Typed Name: Ja	mes Stasiak	Date Application	Signed: 9-26-02
State of)		
County of) ss.:)		
Before me this da	y of, pers	sonally appeared	Stasiak who
	eved to me on the basis of satisf to be his/her free act and deed.	actory evidence to be the p	erson who acknowledged the foregoing
			Notary Public
			My commission expires:

PATENT ²
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When recorded please return to: HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION ATTORNEY DOCKET NO. 100201346-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal)	Date Assignment Sig	gned: 9/25/07
· Committee		pplication Signed: 9/25/02
nventor's Typed Name: Jennifer Wu	Date A	pplication Signed: 7/25/02
State of	}	
County of) ss.:	
County of	•	
Before me this day of	, personally appeared	Jennifer Wu who
s personally known or proved to me or nstrument of assignment to be his/her fr		be the person who acknowledged the foregoing
		Notary Public
		My commission expires:
11/1/1/		201-1-1 7000
1/11/1/11/11	Date Assignment Sig	ined: Colombia
nventor's Signature (Seal)		and the part
nventor's Typed Name: David E Hacklem	an Date Ap	oplication Signed: 20 September 200
State of)	
) ss.:	
County of	,	
Before me this day of	, personally appeared	David E Hackleman who
s personally known or proved to me or nstrument of assignment to be his/her fr		be the person who acknowledged the foregoing
		Notary Public
		My commission expires:
	Date Assignment Sign	ned:
nventor's Signature (Seal)	Date Assignment Sign	ned:
-		ned:oplication Signed:
nventor's Typed Name:		
nventor's Typed Name:		
nventor's Typed Name:tate of	Date Ap	
nventor's Typed Name: tate of county of Before me this day of)) ss.:) , personally appeared	oplication Signed:who
nventor's Signature (Seal) nventor's Typed Name: state of county of Before me this day of s personally known or proved to me on nstrument of assignment to be his/her fre	Date Ap) ss.:) , personally appeared the basis of satisfactory evidence to	oplication Signed:
nventor's Typed Name: county of Before me this day of s personally known or proved to me on	Date Ap) ss.:) , personally appeared the basis of satisfactory evidence to	oplication Signed:who

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

Page 2 of 2

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PATENT REEL: 013761 FRAME: 0315

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