FORM PTO-1595 1-31-92	11-05-2002 102272940		U.S. DEPARTMENT OF COMMERCE T Patent and Trademark Office Attorney Docket No. 10016604-1			
10/28/02						
1. Name of conveying party(ies):						
Manoj Bhattacharyya Thomas C Anthony		HEWLETT Intellectua P.O. Box 2	-PACKARD COMPANY Il Property Administration			
	ached Yes X No	Additional name	s) & address(es) attached?YesX No			
3. Nature of Conveyance:						
X Assignment	Merger		Change of Name			
Security Agreement	Other					
Execution Date(s): 04/26/02,04/26/0	02		(7)			
4. Application number(s) or patent no	umber(s):		on date of the application is:			
4. Application number(s) or patent number this document is being filed togeth	ner with a new appli	ication, executi	on date of the application is:			
A. Patent Application No.(s)			B. Patent No.(s)			
Application No.; 10/132,998	Date Filed: 04	1/25/02				
Confirmation No.: 1381	Additional numb	ers attached? _	NO			
Name and address of party to who concerning document should be m		6. Total number of applications and patents involved:1				
Records Manager Intellectual Property Administr HEWLETT-PACKARD COMPA P.O. Box 272400	ration	7. Total Fee (37 CFR 3.41): \$40.00 Enclosed				
Fort Collins, Colorado 80527-2400		X Authorization to be charged to deposit account.				
1/04/2002 TDIAZ1 00000222 082025 10132	998	8. Deposit Ad	ccount Number: 08-2025			
FC:8021 40.00 CH	DO NOT US	E THIS SPACE				
9. Statement and signature.	1					
To the best of my knowledge and be true copy of the original document.	elief, the foregoing	information is t	rue and correct and any attached copy is a			
Alba P Escobar	<u>Literi</u>	ypeu	ikin_			
Name of Person Signing Signature / Date Total number of pages including cover sheet, attachments, and document: 3						
OMB No. 0651-0011 (exp. 4/94)		ing cover sheet,	attachments, and document. 3			
5.1.5 110. 0001 0011 (0xp. 1/01/	Do Not detac	ch this portion				
Mail document to be recorded with r	equired cover sheet Commissio	information to oner for Patents				
		ssignment on, D.C. 20231				

Rev 05/02 (Recdasgn)

FORM PTO-1595

PATENT REEL: 013439 FRAME: 0991

PATENT APPLICATION

ATTORNEY DOCKET NO. 10016604 -1

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

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 and assigns, the under an application for Letter				t oτ priority, in, to and
CONDUCTOR STRUCTURE FO	OR A MAGNETIC	C MEMORY		
Filing date: 04/25	5/02	Application N	lo.: 10//	32998
and the invention(s) and continuations-in-part (C-I-P's), Letters Patent, and any and which may be granted thereor Letters Patent.	divisionals, and all Letters Pate	d renewals of and su nt of the United Sta	ubstitutes for s ates and of co	aid application for said untries foreign thereto
I/we additionally authorize to be held and enjoyed by HP, of the term or terms for whic as fully and entirely as the sar transfer not been made;	its successors, h said Letters F	assigns, nominees o Patent respectively m	or legal represer nay be granted,	ntatives, to the full end reissued or extended,
AND I/we hereby covenal and that I/we have not exect further covenant and agree to execute and deliver all such invention(s) or improvement(s) nominees or legal representation facts respecting said invention in any legal proceedings, to continuations, C-I-P's, reissue generally to do everything representatives to obtain and invention(s) or improvement(s) me/us in lending such coopera	uted and will no chat I/we will, of papers as man), said application ives, and I/we and (s) or improven o sign all law and foreign appossible to a cenforce, for it) in any and all of	ot execute any agreeach time a request by be necessary or on and said Letters Pagree to communicat applications, said applications, to make a aid HP, its success or their own benecountries provided the	ement in confliction is made, and desirable to pertent, to HP, it is to HP, or to ion and said Lecute all disclains rightful oaths sors, assigns, efit, proper pate	ict herewith, and I/we without undue delay, orfect the title to said to successors, assigns, its nominee, all known etters Patent, to testify imers and divisionals, and declarations, and nominees and legal ent protection for said
AND I/we hereby authoriz States and any official of any patents on applications as afo any and all Letters Patent for the the United States which may accordance with the terms of	country or coun presaid, to issue said invention(s be issued and	atries foreign to the Le to HP, as assignee o or improvement(s), granted on or as a	Inited States w of the entire r including any a	hose duty it is to issue ight, title and interest, ind all Letters Patent of
I/we further authorize an application now identified by t shall have been made known t	the attorney doo	cket number and title	set forth abov	e as soon as the same
IN WITNESS WHEREOF, I	/we hereunto se	et my/our hand(s) and	d seal(s):	
Robertaula Inventor's Signature (Seal)	eyr	Date Assignment Signe	d: 4/2	6/02
Inventor's Typed Name: Manoj Bhatta	acharyya	Date Appl	ication Signed:	4/26/02
State of)			, ,
County of) ss.:)			
Before me this day of is personally known or proved to me instrument of assignment to be his/he	e on the basis of s		Manoj Bhattachary e the person who	va who acknowledged the foregoing

PATENT of 2
REEL: 013439 FRAME: 0992

My commission expires:

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. 10016604 -1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we	hereunto set	my/our hand(s) and seal(s)	:
Mouros Caulle	nelex	Date Assignment Signed:	april 26, 2009 on Signed: April 76, 2003
nventor's Signature (Seal)	0		
nventor's Typed Name: Thomas C. A	nthony	Date Applicati	on Signed: 4pml 76, 2002
State of)		,
County of) ss.:)		
·		narranally appeared. The	and O. Ameliania
s personally known or proved to me instrument of assignment to be his/he	on the basis o	f satisfactory evidence to be the	e person who acknowledged the foregoing
			Notary Public
			My commission expires:
Inventor's Signature (Seal)		Date Assignment Signed:	
nventor's Typed Name:		Date Applicati	on Signed:
State of)		
County of) ss.:		
•	,		
Before me this day of s personally known or proved to me nstrument of assignment to be his/he	on the basis o	f satisfactory evidence to be the	who e person who acknowledged the foregoing
			Notary Public
			My commission expires:
nventor's Signature (Seal)		Date Assignment Signed:	
		Data Amplicati	on Signade
nventor's Typed Name:		Date Applicati	on signed.
State of)		
County of) ss.:)		
Before me this day of s personally known or proved to me nstrument of assignment to be his/he	on the basis o	f satisfactory evidence to be the	who e person who acknowledged the foregoing
			Notary Public
			My commission expires:

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

Page 2 of 2

PATENT REEL: 013439 FRAME: 0993