1. Name of conveying party(ies): 3.17  Kalpana Subbarao  Kevin J. Brusky John DeNardo	10239	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
Additional name(s) of conveying party(les) attached	_Yes <u>X</u> 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): 12/17/2002; 12/17/2002	; 12 <i>/</i> 17 <i>/</i> 200	)2		
4. Application number(s) or patent number(s):				
If this document is being filed together with	a new appli	ication, execution date of the application is		
A. Patent Application No.(s)		B. Patent No.(s)		
Application No.: 10/324,547 Da	ate Filed: 12	2/20/2002		
Confirmation No.: 9387 Addi	tional numb	B. Patent No.(s) SECTION 9: 36  2/20/2002  Pers attached? NO		
5. Name and address of party to whom corrections document should be mailed:	espondence	6. Total number of applications and patents involved: 1		
Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY		7. Total Fee (37 CFR 3.41): \$40.00 Enclosed		
P.O. Box 272400 Fort Collins, Colorado 80527-2400		X Authorization to be charged to deposit account.		
		8. Deposit Account Number: <u>08-2025</u>		
	OO NOT USE	E THIS SPACE		
9. Statement and signature.  To the best of my knowledge and belief, the true copy of the original document.	e foregoing i	information is true and correct and any attached copy is a		
Rebecca A. Evans		Mar 11, 2003		
	gnature f pages includ	Date ding cover sheet, attachments, and document: 4		
OMB No. 0651-0011 (exp. 4/94)				
	cover sheet Commissio Box A	ch this portion : information to: oner for Patents Assignment on, D.C. 20231		

Rev 02/03 (Recdasgn)

PATENT REEL: 013850 FRAME: 0482

## PATENT APPLICATION

HEWLETT-PACKARD DEVELOPMENT COMPANY

Intellectual Property Administrator P. O. Box 272400 Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. PO2-4084

## 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 HPDC), 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:

application for Letters Patent of the United States entitled:				
METHOD AND APPARATUS FOR DETERMINING THE PHYSICAL CONFIGURATION OF A MULT				
COMPONENT SYSTEM				
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 therefor; 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 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 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 aid 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 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 HPDC, 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):				
Kalpana Subbarao Date Assignment Signed: 12/17/02				
Inventof's Signature (Seal)				
Inventor's Typed Name: Kalpana SUBBARAO Date Application Signed:				
State of Texas				
County of Harris				
Before me this day of , personally appeared <u>Kalpana SUBBARAO</u> 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.				
Nistago Cublic				

Rev 05/02 (Assign)

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

Page 1 of 2

My commission expires:

When recorded please return to:

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

## PATENT APPLICATION ATTORNEY DOCKET NO. P02-4084

## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we h	nereunto set	my/our hand(s) and seal(s):		
Kin 1. Ru	<u>d</u>	Date Assignment Signed:	12/17/02	
Inventor's Signature (Seal)			,	
Inventor's Typed Name: Kevin J. BRUS	SKY	Date Application Signed:		
State of Texas	)			
County of Harris	) ss.: )			
Before me this day of		, personally appeared Kevin	J. BRUSKY who	
is personally known or proved to me instrument of assignment to be his/her	on the basis o	f satisfactory evidence to be the	person who acknowledged the foregoing	
			Notary Public	
			My commission expires:	
$O_A = A$	,			
Jan Jed Jan Inventor's Signature (Seal)	<i></i>	Date Assignment Signed:	12/17/02	
Inventor's Typed Name: John DeNARD	0	Date Applicatio	n Signed:	
State of <b>Texas</b>	1			
County of Harris	) ss.: )			
Before me this day of is personally known or proved to me instrument of assignment to be his/her	on the basis of	f satisfactory evidence to be the	person who acknowledged the foregoing	
			Notary Public	
			My commission expires:	
L. Circulus (Cost)	- WILL - VIII -	Date Assignment Signed:		
nventor's Signature (Seal)				
nventor's Typed Name:		Date Application	n Signed:	
State of	) ) ss.:			
County of	}			
Before me this day of s personally known or proved to me on strument of assignment to be his/her	on the basis of	satisfactory evidence to be the	person who acknowledged the foregoing	
			Notary Public	
			My commission expires:	

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

Page 2 of 2

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**RECORDED: 03/17/2003** 

PATENT REEL: 013850 FRAME: 0484