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FORM PTO-1595		U.S. DEPARTMENT OF COMMERCE
		COVER SPICE
	ATENTS OF	
<ol> <li>Name of conveying party(ies):</li> </ol>	[:	2. Name and address of receiving party(ies):
Minwen Ji .		HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Alistair C. Veitch		20555 SH 249 Houston, TX 77070
John Wilkes		Troubletty 172 7707
Additional name(s) of conveying party(ies) attachedY	es X No	Additional name(s) & address(es) attached?Yes _X No
3. Nature of Conveyance:		<del></del>
	Merger	Change of Name
X Assignment	_	<u> </u>
Security Agreement	_ Other	
Execution Date(s): 6/6/03, 6/6/03, 6/10/03		
4. Application number(s) or patent number(s):		
		pation, execution date of the application is:
If this document is being filed together with a	r usw abbiic	
A. Patent Application No.(s)		B. Patent No.(s)
Application No.: 10/456,367 Dat	te Filed: 6/6	3/03
	onal numbe	ers attached? NO
Bornaria Control		6. Total number of applications and patents involved: 1
concerning document should be mailed:	-1	
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
Intellectual Property Administration HEWLETT-PACKARD COMPANY		Enclosed
P.O. Box 272400		X Authorization to be charged to deposit account.
Fort Collins, Colorado 80527-2400		
		8. Deposit Account Number: 08-2025
D	O NOT USE	THIS SPACE
9. Statement and signature.		
	foreaoina i	information is true and correct and any attached copy is a
true copy of the original document.	gg ·	
}		
Tiff and Towns	Alberra	Sep 04, 2003
Tiffany Turner Name of Person Signing	nature \	Date
- '	pages includ	ding cover sheet, attachments, and document: 5
OMB No. 0651-0011 (exp. 4/94)		
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Mail document to be recorded with required of	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	* * * * * * * * * * * * * * * * * * *
Mail St	too Assianm	ent Recordation Services atent and Trademark Office
Director	PO	Box 1450 VA 22313-1450
	CIEXALIUITA,	PATENT

Rev 05/**7**300042750

REEL: 013944 FRAME: 0719

When recorded please return to:

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

ATTORNEY DOCKET NO. 200309046-1

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 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:

STATE MACHINE AND SYSTEM FOR DATA	REDUNDANCY
Filing date:	Application No.:
continuations-in-part (C-I-P's), divisionals, a	s) set forth therein, and any and all continuations, and renewals of and substitutes for said application for said of the United States and of countries foreign thereto which y reissues, or reexaminations, or extensions of said Letters
country, to be held and enjoyed by HPDC, if the full end of the term or terms for which	file applications in my/our name for Letters Patent in any ts successors, assigns, nominees or legal representatives, to said Letters Patent respectively may be granted, reissued or ne would have been held and enjoyed by me/us had this
that I/we have not executed and will not e covenant and agree that I/we will, each tim deliver all such papers as may be necess improvement(s), said application and said L legal representatives, and I/we agree to crespecting said invention(s) or improvement legal proceedings, to sign all lawful paper C-I-P's, reissue and foreign applications, to everything possible to aid HPDC, its succeand enforce, for its or their own benefit, pro	we full right to convey the entire interest herein assigned, and execute any agreement in conflict herewith, and I/we further he a request is made, and without undue delay, execute and any or desirable to perfect the title to said invention(s) or etters Patent, to HPDC, its successors, assigns, nominees or communicate to HPDC, or to its nominee, all known facts (s), said application and said Letters Patent, to testify in any s, to execute all disclaimers and divisionals, continuations, make all rightful oaths and declarations, and generally to do ssors, assigns, nominees and legal representatives to obtain oper patent protection for said invention(s) or improvement(s) penses which may be incurred by me/us in lending such IC;
States and any official of any country or co- patents on applications as aforesaid, to issu- any and all Letters Patent for said invention	t the Commissioner of Patents and Trademarks of the United suntries foreign to the United States whose duty it is to issue ue to HPDC, as assignee of the entire right, title and interest, i(s) or improvement(s), including any and all Letters Patent of and granted on or as a result of the application aforesaid, in ant.
said application now identified by the attor	orneys of record to insert the serial number and filing date of ney docket number and title set forth above as soon as the by the United States Patent and Trademark Office.
IN WITNESS WHEREOF, I/we hereunto Inventor's Signature (Seal)	Date Assignment Signed:6/6/03
Inventor's Typed Name: Minwen JI	Date Application Signed:
State of )	
County of	
Before me this day of	satisfactory evidence to be the person who acknowledged the foregoing
	Notary Public

My commission expires:

NO. 097 P. 4

## PATENT APPLICATION

PATENT REEL: 013944 FRAME: 0721

ATTORNEY DOCKET NO. 200309046-1

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

# ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal) Inventor's Typed Name: Alistair Craig Veitch  Date Application Signed: Tun 6, 2003  State of  ) ss.:  County of  Before me this day of personally appeared Alistair Craig Veitch white personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.    Notary Public   Notary P	)	nventor's Signature (Sesil)
Inventor's Signature (Seal)  Inventor's Typed Name: Alistair Craig Veitch  Date Application Signed: Jun 6, 2003  State of  ) Ss.:  County of  Before me this day of personally appeared Alistair Craig Veitch where personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.    Notary Public   My commission expires:	)	nventor's Signature (Seal)
State of ) ss.:  County of ) ss.:  Before me this day of personally appeared Alistair Craig Veitch where personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.  Notary Public	)	nventor's Typed Name: Alistair Craig Veitch
County of ) ss.:  Before me this day of personally appeared Alistair Craig Veitch wh personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.  Notary Public My commission expires:    Date Assignment Signed: Date Application Signed:	) ) ss.:	mentor a Typou numer - mentor
Before me this day of personally appeared Alistair Craig Veitch who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.    Notary Public   Notary Public   My commission expires:		
Date Assignment Signed:  Inventor's Signature (Seal)  Inventor's Typed Name: John Wilkes  Date Application Signed:  State of  ) ss.:  County of  Defore me this day of personally appeared John Wilkes who acknowledged the foreginstrument of assignment to be his/her free act and deed.	)	
Date Assignment Signed:  Inventor's Signature (Seal)  Inventor's Typed Name: John Wilkes  Date Application Signed:  State of  ) ss.:  County of  Defore me this day of personally appeared John Wilkes who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.	, personally appeared Alistair Craig Veitch who is the basis of satisfactory evidence to be the person who acknowledged the foregoing se act and deed.	Before me this day of personally known or proved to me on the basis netrument of assignment to be his/her free act and
Inventor's Typed Name: John Wilkes Date Application Signed: Date of ) ss.:  County of personally appeared John Wilkes with personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.	·	
Inventor's Typed Name: John Wilkes Date Application Signed:	Date Assignment Signed:	Country of Charles
State of ) ss.:  County of ) ss.:  Before me this day of personally appeared John Wilkes wh personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.		
County of ) ss.:  Before me this	Date Application Signed:	Inventor's Typed Name: John Wilkes
Before me this	)	·
personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.  Notary Public	)	. *
	ee act and deed.  Notary Public	instrument of assignment to be his/her free act and
	Date Assignment Signed:	Inventor's Signature (Seal)
Inventor's Typed Name: Date Application Signed;	Date Application Signed:	Inventor's Typed Name:
State of )	)	State of )
) ss.: County of	) ss.: )	
Before me thisday of, personally appeared who personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foreginstrument of assignment to be his/her free act and deed.		personally known or proved to me on the basis
Notary Public My commission expires:	se act and deed.	
(Use Page Three For Additional Inventor(s) Signature(s)) Page 2 of 2	Be act and deed.  Notary Fublic	

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

#### PATENT APPLICATION

ATTORNEY DOCKET NO. 100204276-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

	Park A. Comment Olements
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name: Alistair Craig Veitor	Date Application Signed:
State of	)
	) ss.:
County of	) .
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free	personally appeared <u>Alistair Craig Veitch</u> who is basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public
	My commission expires:
51_6.Tele.	Date Assignment Signed: 10 Jun 2003
Inventor's Signature (Seal)	Date Assignment algrest.
Inventor's Typed Name: John Wilkes	Date Assignment Signed: 10 Jun 2003
State of	)
County of	) ss.: }
•	
personally known or proved to me an the instrument of assignment to be his/her free	, personally appearedJohn Wilkes who is satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public
	My commission expires:
	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name:	Date Application Signed:
State of	
County of	) ss.: )
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free	, personally appeared who is a basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public
	NOTATY PUBLIC

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

Page 2 of 2

Rev 02/03 (Assign)

RECORDED: 09/04/2003

PATENT REEL: 013944 FRAME: 0722