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PATENTS ONLY				
Name of conveying party(ies):	Name and address of receiving party(ies):			
Kian Kiat Alan CHUA	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.			
Prabhakar R. DOPPALAPUDI	20555 SH 249			
Marcus L. SCHOLZ	Houston, TX 77070			
Christopher L. WHITTALL				
Jia Yi JUANG				
Additional name(s) of conveying party(ies) attached? Yes No	Additional name(s) and address(es) attached? Yes No			
Nature of Conveyance:				
■ Assignment	f Name Security Agreement Joint			
☐Other				
Execution Date(s):10/27/06,10/27/06,10/27/06,12/01/06 & 11/	/13/06			
4. Application number(s) or patent number(s):				
If this document is being filed together with a new application	on, execution date of the application is:			
A. Patent Application No.(s)				
Application No.: 29/267731 Date Filed:	October 19, 2006			
Confirmation No.: 6535 B. Patent N	0.(8):			
Additional combana attached 2 NO				
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			
Records Manager	,			
Intellectual Property Administration	Enclosed			
HEWLETT-PACKARD COMPANY P.O. Sox 272400	X_Authorization to be charged to deposit account.			
Fort Collins, Colorado 80527-2400	8. Deposit Account Number: <u>08-2025</u>			
9. Statement and signature.				
To the best of my knowledge and belief, the foregoing infor	mation is true and correct and any attached copy is a true			
copy of the original document.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	· D			
Thi Dang	January 25,2007			
	alure Date			
Total number of pages including coversheet, attachments, and documents: 4				
Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:				
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450				
Page 1 of 1				

Rev 10/06a (RecdAsgn)

PATENT REEL: 018817 FRAME: 0925 HEWLETT-PACKARD COMPANY Intellectual Property Administrator P.O. Box 272400 Fort Collins, Colorado 80527-2400

Rev 10/06a (Assignment)

PATENT APPLICATION

ATTORNEY DOCKET NO. ______ 200602164-1

ASSIGNMENT OF PATENT APPLICATION

d and hereby agree to assign to HEWLETT-PACKARD

I/VVa, the undersign	led (each) have agreed P. a Texas Limited Partn	and nereby agree to assign to he ership having its principal place of bu	usiness in Houston,
Texas, (hereinafter HPDC), in	furtherance of my/our	obligations to the Hewlett-Packard	Company and its
subsidiaries and affiliates, and do	o hereby assign and trans	fer to HPDC, its successors and lassig	gns, the entire right,
title and interest, including the rig	jht of priority, in, to and us	nder an application for Letters Patent	of the United States
entitled:			
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Filing Date: October 20,		Application No.: 29/267731	
P's), divisionals, and renewals of Patent of the United States and reissues, or reexaminations, or e	f end substitutes for said a of countries foreign ther xtensions of said Letters F	and any and all continuations, continuations, continuations for said Letters Patent, and eto which may be granted thereon or Patent.	tany and all Letters therefore; and any
held and enjoyed by HPDC, its sterms for which said Letters Pate	uccessors, assigns, nomicent respectively may be g	ns in my/our name for Letters Patent in nees or legal representatives, to the fur pranted, reissued or extended, as fully a assignment, and transfer not been m	ill end of the term or and entirely as the
AND live hereby cover	ant that liwe have full rist	nt to convey the entire interest herein a	assigned, and that I/
we have not executed and will no	ot execute any agreement	t in conflict herewith, and I/we further due delay, execute and deliver all suc	covenant and agree
necessary or desirable to perfect	t the title to said invention	n(s) or improvement(s), said applicati	on and said Letters
Patent, to HPDC, its successor	s, assigns, nominees or t	egal representatives, and I/we agree invention(s) or improvement(s), said a	to communicate to bisa and said
Letters Patent, to testify in any le	gat proceedings, to sign a	ill lawful papers, to execute all disclain	ners and divisionals,
continuations. C-i-P's, reissue at	nd foreign applications, to	make all rightful oaths and declaration	ns, and generally to
do everything possible to aid H	PDC, its successors, ass	signs, nominees and legal representa	itives to obtain and
enforce, for its or their own ben	ant, proper patent protect	ion for said invention(s) or improveme by me/us in lending such cooperation	and assistance are
paid by HPDC;	; which hay be alconed i	of users at tentonia and cooperation	MIN MANIGEMENT CO.
AND I/we hereby autho	rize and request the Com-	missioner 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 t	o issue patents on
applications as aforesaid, to iss	ue to HPDC, as assigned	of the entire right, title and interest,	any and all Letters
Patent for said invention(s) or in	iprovement(s), including a	any and all Letters Patent of the Unite foresaid, in accordance with the terms	o States which may
be issued and granted on or as a	result of the application a and direct the attorneys o	f record to insert the serial number an	d filing date of said
application now identified by the	attorney docket number	and title set forth above as soon as t	he same shall have
been made known to them by the			
IN WITNESS WHEREOF,	live heraunto set my/our h	and(s) and seal(s):	
W.		10/27/06	
Inventor's Signature (Seat)	Secretary for colonial and the secretary of the secretary	Date Assignment Signed	
Kian Kiat-Alan CHUA		10/27/06	
Inventor's Typed Name		Date Application Signed	
	4		
State of) 00.		
County of) ss.: }		
Before me this day of	, personally appeared	Kian-Kiat-Alan CHUA	who is personally
known or proved to me on the bas	is of satisfactory evidence to	o be the person who acknowledged the fo	pregoing instrument of
assignment to be his/her free act and			
		Notary Fublic	

Page 1 of 3

PATENT REEL: 018817 FRAME: 0926

My Commission Expires:

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

ATTORNEY DOCKET NO. 200602164-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITHESS V	VHEREOF, I/we hereunto set my/our har	nd(s) and scales):
rather	Inno lower	10/27/86 Date Assignment Signed
Inventor's Signature (Sea	4.	Date Assignment Signed
Prabhakar R. DOPPALAI	at ini	Date Application Signed
Inventor's Typed Name	יטטו	Date Application Signed
intentor o 1 y pos mante		··· -
State of	*	
Office of) s s.:	
County of	ý	
Before me this day of	f personally appeared	Prabhakar-R. DOPPALAPUDI who is personally
known or proved to me	on the basis of satisfactory evidence to	he the person who acknowledged the foregoing instrument of
assignment to be his/her	free act and deed.	·
		Notary Public
		My Commission Expires:
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	A Comment of the Comm	s on I
Man		0/27/2006 Date Assignment Signed
Inventor's Signature (Se	B. C.	Date Assignment Signed
c the same		la land and
Marcus L. SCHOLZ		10/27/2005 Date Application Signed
Inventor's Typed Name		Date infolication Digities
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State of)) 98,:	
County of) 50 1	
•	f moments and	Marcus-L. SCHOLZ who is personally
Before me thisday o	of personally appeared	be the person who acknowledged the foregoing instrument of
assignment to be his/her		as the parasis with transfer and the grade
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1 Van My	Curul	12.1.06
Inventor's Signature (Sec	al)	Date Assignment Signed
	•	12.1.06
Christopher-L. WHITTAL		
Inventor's Typed Name		Date Application Signed
State of	<u>}</u>	
	95.:	
County of	>	
Before me thisday	of, personally appeared	Christopher-i. WHITTALL who is personally
		be the person who acknowledged the foregoing instrument of
assignment to be his/her	COMP AND BUILD PARKET.	Notary Public
		My Commission Expires:
Rev 10/06a (Assignment)	Page 2	of 3

PATENT REEL: 018817 FRAME: 0927

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

ATTORNEY DOCKET NO. 200602164-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF	, I/we hereunto set my/our hand(s) and seal(s):
Jia Yi Juan	a	2006/11/13
Inventor's Signature (Seat)	d	Date Assignment Signed
Jia Yi JUANG Inventor's Typed Name		Oate Application Signed
medici a syper neare		Date Application Signed
State of)	
) ss.:	
County of)	
Before me this day of	, personally appeared	Jia Yi JUANG who is personali
known or proved to me on the bar		he person who acknowledged the foregoing instrument o
assignment to be his/her free act an	d deed.	
		Notary Public
		My Commission Expires:
		•
Inventor's Signature (Seal)		Dale Assignment Signed
Inventor's Typed Name		Date Application Signed
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State of). E	
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County of)	
Before me this day of	, personally appeared	who is personally
		ts person who acknowledged the foregoing instrument of
assignment to be his/her free act and	d deed.	
		Notary Public
		My Commission Expires:
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inventor's Signature (Seal)		Date Assignment Signed
Inventor's Typed Name	**************************************	Date Application Signed
State of)	
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Before me this day of	, personally appeared	who is personally
known or proved to me on the basi assignment to be his/her free act and	s of satisfactory evidence to be the	e person who acknowledged the foregoing instrument of
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		Notary Public My Commission Expires:
Rev 10/06e (Assignment)	Page 3 of 3	нер ченизичения выбратыю.

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RECORDED: 01/25/2007