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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

103405006	. FORM COVER SHEET
PAT	ENTS ONLY
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Antonius KALKER	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Alan H. KARP	20555 SH 249
Ashwin SWAMINATHAN	Houston, TX 77070
	·
Additional name(s) of conveying party(ies) attached? Yes	No Additional name(s) and address(es) attached? ☐Yes ☒No
3. Nature of Conveyance:	
X Assignment	ge of Name Security Agreement Joint
Other	•
	11/796215
Execution Date(s):04/26/07, 04/24/07, 04/24/07	11/ /96213
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:04/27/07
A. Patent Application No.(s)	
Application No.: Date F	iled:
Confirmation No.: B. Pate	ent No.(s):
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	7. Total Fee (37 CFR 3.41), \$40.00
Intellectual Property Administration	Enclosed
HEWLETT-PACKARD COMPANY P.O. Box 272400	_X_Authorization to be charged to deposit account.
Fort Collins, Colorado 80527-2400	8. Deposit Account Number: 08-2025
9. Statement and signature,	
To the best of my knowledge and belief, the foregoing	information is true and correct and any attached copy is true
copy of the original document.	
John P. Wagner, Jr.	
Name of Person Signing	Signature Date 3 (3)
Total number of pages including cover	sheet, attachments, and documents:5
Documents to be recorded (including cover s	heet) should be faxed to (703) 306-5995, or mailed to: r of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313, 1450, Page 1 of 1
Mail Stop Assignment Recordation Services, Directo	r of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313 450
F	Page 1 of 1
Rev 10/05 (RecdAsgn)	1 5

PATENT APPLICATION

ATTORNEY DOCKET NO. 200603758-1

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 griority in to and under an application for Latters Patent of the United States

Filing Date:		milester No.	
held and enjoyed by HPDC, its sterms for which said Letters Patsame would have been held and AND I/we hereby cover we have not executed and will in that I/we will, each time a requer necessary or desirable to perfer Patent, to HPDC, its successor HPDC, or to its nominee, all known to the patent, to testify in any lecontinuations, C-I-P's, reissue at do everything possible to aid henforce, for its or their own bencountries provided the expenses paid by HPDC; AND I/we hereby authorized and any official of any country	ement(s) set forth therein, and if and substitutes for said applications of said Letters Paterize HPDC to file applications in successors, assigns, nominees tent respectively may be grant all enjoyed by me/us had this assignate that I/we have full right to not execute any agreement in context it is made, and without unduent the title to said invention(s) is, assigns, nominees or legal own facts respecting said invention for its successors, assigns of foreign applications, to mail IPDC, its successors, assigns efft, proper patent protection if s which may be incurred by marize and request the Commission countries foreign to the	cation for said Letters Patent, and which may be granted thereon ont. I my/our name for Letters Patent or legal representatives, to the ed, reissued or extended, as ful signment, and transfer not been convey the entire interest herein conflict herewith, and I/we furthed elay, execute and deliver all sufficiently or improvement(s), said applicate representatives, and I/we agrention(s) or improvement(s), said eall rightful oaths and declaration, nominees and legal representatives and legal representatives and legal representations and legal representations.	and any and all Letters or therefore; and any and all Letters or therefore; and any and any and country, to be full end of the term or ly and entirely as the made; assigned, and that l/r covenant and agree ach papers as may be ation and said Letters to communicate to application and said imers and divisionals, ions, and generally to tatives to obtain and anotal and assistance are sof the United States to issue patents on
applications as aforesaid, to iss Patent for said invention(s) or in be issued and granted on or as a l/we further authorize a application now identified by the been made known to them by the	nprovement(s), including any a result of the application afore and direct the attorneys of rec a attorney docket number and	and all Letters Patent of the Unit said, in accordance with the term and to insert the serial number a title set forth above as soon as	ed States which may ns of this assignment. and filing date of said
•	I/we hereunto set my/our hand(
	*	April 26, 2007	
Inventor's Signature (Seal)	K	Date Assignment Signed	
Antonius KALKER		April 26, 2007	
Inventor's Typed Name		Date Application Signed	
State of)) ss.:		
County of)		
Before me thisday of	, personally appeared	Antonius KALKER	who is personally
known or proved to me on the bas assignment to be his/her free act and		the person who acknowledged the	foregoing instrument of
		Notary Public My Commission Expires:	

Page 1 of 2

PATENT

REEL: 019298 FRAME: 0519

Rev 10/05(Assignment)

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200603758-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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nventor's Signature (Seal)	sp	Date Assignment Signed 2\ 2\ 2\ 2007
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Nan H. KARP		24 year 2007
nventor's Typed Name		Date Application Signed
State of	,	·
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County of) 35)	
•	, personally appeared	Alan H, KARP who is personally
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		My Commission Expires:
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shwin SWAMINATHAN		
iventor's Typed Name		Oate Application Signed
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Samah, ad) ss.:	
County of)	
efore me thisday of	, personally appeared	Ashwin SWAMINATHAN who is personally
		the person who acknowledged the foregoing instrument of
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nventor's Signature (Seal) nventor's Typed Name state of county of lefore me this day of nown or proved to me on the ba)) \$5.:) sersonally appeared sis of satisfactory evidence to be.	Date Assignment Signed Date Application Signed who is personally
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PATENT

REEL: 019298 FRAME: 0520

ATTORNEY DOCKET NO. 200603758-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)		Date Assignment Signed
Alan H. KARP		
Inventor's Typed Name		Date Application Signed
State of)	
) ss.:	
County of	ý	
Before me this day of	, personally appeared	Alan H. KARP who is personally
known or proved to me on the ba	sis of satisfactory evidence to be ti	he person who acknowledged the foregoing instrument of
assignment to be his/her free act ar	io deed.	
		Notary Public
		My Commission Expires.
, .		
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1818/11		April 24, 2007
Inventor's Signature (Seal)		Date Assignment Signed
Achinia CIMARAINATHAN		April 24, 2007
Ashwin SWAMINATHAN Inventor's Typed Name		April 24, 2007 Date Application Signed
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State of	,	
State: Ut	\	
Oncorporati) 88.:	
County of)	
		Ashwin SWAMINATHAN who is personally
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Inventor's Typed Name		Date Application Signed
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Dou 1888/Aprimm ont	Page 2 of 2	My Commission Expres:
Rev 10/05(Assignment)		

	RECO	RDATION	FORM CO	VER SHEET		
PATENTS ONLY						
1. Name of conveying party(ies): Antonius KALKER Alan H. KARP Ashwin SWAMINATHAN		2. Name and address of receiving party(ies): HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070				
3. Nature of Conveyance:				name(s) and address(es) attached?		
⊠Assignment —	Merger	Change	of Name	Security Agreement	Joint	
Other Execution Date(s):04/26/07	7. 04/24/07. 04/24/07					
4. Application number(s) or						
If this document is being	filed together with a	new applicat	ion, executi	on date of the application is:04/27/	07	
A. Patent Application No.	.(s)	Bio				
Application No.:		Date Filed: B. Patent No.(s):			d W	
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Additional numbers attache	ad? <u>NO</u>					
5. Name and address of pa		ndence	6. Total number of applications and patents involved:1			
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Records Manager intellectual Property Ad	iministration		EnclosedX_Authorization to be charged to deposit account.			
HEWLETT-PACKARD C						
P.O. Box 272400 Fort Collins, Colorado (80527-2400		 	8. Deposit Account Number: 08-2025		
9. Statement and signature			1 0. 0000			
_	edge and belief, the fo	or e going info	ormation is t	rue and correct and any attached c	opy is a true	
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John P. Wagner, Jr. / Name of Person Signing Signa		04/27/07 nature Date				
Total nu	mber of pages includ	_		ents, and documents: 5		
				a faxed to (703) 306-5995, or maile D. P.O. Box 1450, Alexandria, V.A.		
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Rev 10/05 (RecdAsgn)

RECORDED: 04/27/2007

PATENT REEL: 019298 FRAME: 0522