	FORM PTO-1595 : 1-31-92 REC	- ' '		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
		1 (25/2) (12/1 25/12)-1-1		omey Docket No. 200407147-1		
ار	1. Name of conveying party(ies):	1029)77688 2. Name and address	of receiving party(ies):		
0	Winthrop D. Childers			RD DEVELOPMENT COMPANY, L.P.		
2	William R. Wagner		20555 SH 249			
	John M. Koegler III		Houston, TX 776	0.0		
7	Anurag Gupta			1.8.1 1.06		
	Peter Guy Howard			760 0 0		
	Timothy F. Myers			111/ 111/		
	Additional name(s) of conveying party(ies) attached	ed _X_Yes No	Additional name(s) & addr	ess(es) attached?Yes _X No		
	3. Nature of Conveyance:					
	X Assignment	Merger		Change of Name		
	Security Agreement	Other				
	Execution Date(s): 2/22/05, 2/22/05, 3/	/7/05, 2/22/05, 3	3/7/05, 2/22/05, 2/22/0	05		
	4. Application number(s) or patent number	per(s):				
	If this document is being filed together	with a new applic	cation, execution date	of the application is: 03/29/2005		
	A. Patent Application No.(s)			B. Patent No.(s)		
	Application No.:	Date Filed:				
	Confirmation No.:	Additional number	ers attached? NO			
	5. Name and address of party to whom concerning document should be maile		6. Total number of ap	plications and patents involved: 1		
	Records Manager		7. Total Fee (37 CFR:	3.41): \$40.00		
	Intellectual Property Administration HEWLETT-PACKARD COMPANY		Enclosed			
	P.O. Box 272400 Fort Collins, Colorado 80527-2400		_X Authorizatio	on to be charged to deposit account.		
			8. Deposit Account N	lumber: <u>08-2025</u>		
		DO NOT USE	THIS SPACE			
ŀ	Statement and signature.					
	To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.					
	Steven L. Nichols	Stand	Verd	Mar 29, 2005		
	Name of Person Signing	Signature	•	Date		
	OMB No. 0651-0011 (exp. 4/94)	ber of pages includ	ing cover sheet, attachm	ents, and document: 11		
1	Citiz (10. 0001-0011 (exp. 4/94)	Do Not detac	h this portion			
	Mail document to be recorded with required	`				
	04/12/2005 DBYRNE 00000027 082025 11094(Director of the US Pa	ent Recordation Services tent and Trademark Office			
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1-31-92	2	-				

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

PATENTS ONLY

Attorney Docket No. 200407147-1

1. Name of conveying party(ies):

Grant A. Webster

2. Name and address of receiving party(ies):

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

20555 SH 249
Houston, TX 77070

Out 990760/
906280

PATENT APPLICATION

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P. O. Box 272400

Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 200407147-1

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:

Integral Reflector and Heat Sink	
Filing date:	Application No.:
continuations-in-part (C-I-P's), divisionals, an Letters Patent, and any and all Letters Patent) set forth therein, and any and all continuations, direnewals of and substitutes for said application for said of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters
country, to be held and enjoyed by HPDC, its the full end of the term or terms for which s	le applications in my/our name for Letters Patent in any successors, assigns, nominees or legal representatives, to aid Letters Patent respectively may be granted, reissued or e would have been held and enjoyed by me/us had this
that I/we have not executed and will not executed and mill not executed and mill not executed and agree that I/we will, each time deliver all such papers as may be necessar improvement(s), said application and said Let legal representatives, and I/we agree to corespecting said invention(s) or improvement(s legal proceedings, to sign all lawful papers, C-I-P's, reissue and foreign applications, to meverything possible to aid HPDC, its success and enforce, for its or their own benefit, prop	e full right to convey the entire interest herein assigned, and ecute any agreement in conflict herewith, and I/we further a request is made, and without undue delay, execute and ry or desirable to perfect the title to said invention(s) or ters Patent, to HPDC, its successors, assigns, nominees or mmunicate to HPDC, or to its nominee, all known facts s), said application and said Letters Patent, to testify in any to execute all disclaimers and divisionals, continuations, nake all rightful oaths and declarations, and generally to do sors, assigns, nominees and legal representatives to obtain her patent protection for said invention(s) or improvement(s) enses which may be incurred by me/us in lending such in the said invention in the said invention in the said in the said invention in the said in the said invention
States and any official of any country or cour patents on applications as aforesaid, to issue any and all Letters Patent for said invention(s	the Commissioner of Patents and Trademarks of the United ntries foreign to the United States whose duty it is to issue to HPDC, as assignee of the entire right, title and interest, or improvement(s), including any and all Letters Patent of granted on or as a result of the application aforesaid, in .
said application now identified by the attorne	neys of record to insert the serial number and filing date of by docket number and title set forth above as soon as the y the United States Patent and Trademark Office.
IN WIFES WHEREOF, I/w e hereunto se	et my/our hand(s) and seal(s):
400	Date Assignment Signed: Feb 22, 2055
nventor's Signature (Seal)	
nventor's Typed Name: Winthrop D. Childers	Date Application Signed: Feb 27, 2005
State of) ss.:	
County of)	
Before me this day of, personally known or proved to me on the basis of sainstrument of assignment to be his/her free act and deed.	personally appeared <u>Winthrop D. Childers</u> who is tisfactory evidence to be the person who acknowledged the foregoing
	Notary Public My commission expires:

Rev 12/04 (Assign)

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

Page 1 of 3

PATENT APPLICATION ATTORNEY DOCKET NO. 200407147-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHE	REOF, I/we hereunto set	my/our hand(s) and seal(s):	:
	///wan 12		/ /
Inventor's Signature (S	(a)	Bate Assignment Signed:	2/22/05 Signed: 2/22/05
	\mathcal{O}		2/27/05
Inventor's Typed Name	: William R. Wagner	Date Application	Signed:
State of)) ss.:		
County of) 33		
Before me this	day of	, personally appeared	m.R. Wagner who is
personally known or p	proved to me on the basis of int to be his/her free act and de	satisfactory evidence to be the	person who acknowledged the foregoing
			Notary Public
			My commission expires:
		Date Assignment Signed:	
Inventor's Signature (Se	eal)	·	
Inventor's Typed Name	John M. Koegler III	Date Application	Signed:
State of)		
County of) ss.:		
nstrument of assignmen	nt to be his/her free act and de	ed.	person who acknowledged the foregoing Notary Public My commission expires:
			ny caminasian aryna.
nventor's Signature (Se	al \	Date Assignment Signed:	
- ,	·	-	
nventor's Typed Name:	Anuag Gupta	Date Application S	Signed:
state of)) ss.:		
County of)		
ersonally known or pro	day ofoved to me on the basis of to be his/her free act and dee	personally appearedAnusac satisfactory evidence to be the p d.	g Gupta who is person who acknowledged the foregoing
			Notary Public
			My commission expires:
	// San Day - Transaction		
	(Use rage inree For Add	itional Inventor(s) Signature(s))	Page 2 of 3

Rev 12/04 (Assign)

PATEN	IT APPLICATION
ATTORNEY DOCKET NO.	200407147-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name: William R. Wagner	Date Application Signed:
State of)	
) ss. County of	:
•	
Personally known or proved to me on the basis instrument of assignment to be his/her free act and	, personally appearedwilliam R. Wagner who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	Notary Public
	My commission expires:
John om Koren la	Date Assignment Signed: 3/7/c5
Inventor's Signature (Spal)	Date Assignment Signed.
Inventor's Typed Name: John M. Koegler III	Date Application Signed: 3/7/05
State of)	
) ss. County of	
•	
personally known or proved to me on the basis instrument of assignment to be his/her free act and	, personally appeared who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	Notary Public
	My commission expires:
	My commission expires:
	My commission expires:
Inventor's Sanature (Sed)	My commission expires: Date Assignment Signed:
	Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: <u>Anurag Gupta</u> State of)	Date Assignment Signed: Date Application Signed:
Inventor's Typed Name: Anurag Gupta State of) ss.:	Date Assignment Signed:
State of) ss.: County of day of day known or proved to me on the basis	Date Assignment Signed: Date Application Signed: Date Application Signed: personally appearedAnurag Gupta who is of satisfactory evidence to be the person who acknowledged the foregoing
Inventor's Typed Name: Anurag Gupta	Date Assignment Signed: Date Application Signed: Date Application Signed: personally appearedAnurag Gupta who is of satisfactory evidence to be the person who acknowledged the foregoing

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

Page 2 of 3

Rev 12/04 (Assign)

PATEN	IT APPLICATION
ATTORNEY DOCKET NO.	200407147-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:
nventor's Signature (Seal)	
nventor's Typed Name: Willam R. Wag	ner Date Application Signed:
State of)
) ss.:
County of)
	, personally appeared <u>William R. Wagner</u> who at the basis of 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)	
nventor's Typed Name: John M. Koegl	Date Application Signed:
State of)
) ss :
County of Before me this day of	´) ss.:) , personally appeared <u>John M. Koegler III</u> who
Before me this day of personally known or proved to me on	personally appeared <u>John M. Koegler III</u> who the basis of satisfactory evidence to be the person who acknowledged the foregoin
Before me this day of personally known or proved to me on instrument of assignment to be his/her f	personally appeared John M. Koegler III who the basis of satisfactory evidence to be the person who acknowledged the foregoing ree act and deed. Notary Public My commission expires:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f	personally appeared John M. Koegler III who the basis of satisfactory evidence to be the person who acknowledged the foregoing ree act and deed. Notary Public My commission expires:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f	personally appeared
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Before me this day of personally known or proved to me on instrument of assignment to be his/her for the state of day of	personally appeared
Before me this day of personally known or proved to me on instrument of assignment to be his/her for the state of day of ersonally known or proved to me on	personally appeared

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

Rev 12/04 (Assign)

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. 2004 07147-1

, ASSIG	NMENT OF PATENT APPLICATION (cont.)
4/	
IN WITH THE AND THE PERSON IN	
IN WITNESS/WHEREOF, I we hereunt	o set my/our hand(s) and seal(s):
What is a second of the second	_/_/_
1900	Date Assignment Signed: 7/03/05
Invent of 's Signature (Seal)	1/1-1-5
Inventor's Typed Name: Peter Guy Howard	Date Application Signed 7/03/05
State of)	' /
County of)	ss.:
Before me this day of	, personally appeared <u>Pater Guy Howard</u> who is
personally known or proved to me on the bainstrument of assignment to be his/her free act	asis of satisfactory evidence to be the person who acknowledged the foregoing
•	Notary Public
	My commission expires:
	Date Assignment Signed:
Inventor's Signature (Seal)	, Date Assignment Signed.
Inventor's Typed Name: Timothy F. Myers	Date Application Signed
State of	
•	s.:
County of	
Before me this day of	, personally appearedwho is
personally known or proved to me on the ba	isis of satisfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free act	and deed.
	Notary Public
	My commission expires:
	,
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name: Grant A. Webster	Data Application of the state o
	Date Application Signed
State of)	
County of) ss	i
Before me this day of personally known or proved to me on the bas instrument of assignment to be his/her free act a	, personally appeared <u>Grant A. Webster</u> who is sis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
	-
	Notary Public
	My commission expires:

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

Page 3 of 3

PATENT APPLICATION ATTORNEY DOCKET NO. 200407147-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		Date Assignment Signed:	
nventor's Signature (Seal)		_	
nventor's Typed Name: Peter	Guy Howard	Date Application	Signed
State of)		
) ss.:		
County of)		
Before me this da	y of	, personally appearedPeter_	Guv Howard who is
personally known or proved nstrument of assignment to b	to me on the basis of	satisfactory evidence to be the	person who acknowledged the foregoing
			Notary Public
			My commission expires:
· · · · · · · · · · · · · · · · · · ·			
1 11 11 1	101		7/-/
1 Courtly F. 1	Myers	Date Assignment Signed:	2/22/05
Inventor's Signature/(Seal)			. A mark our
inventor's Typed Name: Timo	thy F. Myers	Date Assignment Signed: Date Application	Signed 2/.22/c5
State of)		
otate of) ss.:		
County of)		
Before me thisda	ay of	, personally appearedTimot	hy F. Myers who is
personally known or proved instrument of assignment to b	to me on the basis of he his/her free act and dec	satisfactory evidence to be the ed.	person who acknowledged the foregoing
			Notary Public
			My commission expires:
		Date Assignment Signed:	
Inventor's Signature (Seal)			
inventor's Typed Name: Gran	t A. Webster	Date Application	Signed
State of)		
) ss.:		
)		
County of			A MARIN A CONTRACTOR OF THE CO
Before me this da	ry of	personally appeared Grant	A. Webster who is
County of Before me this da personally known or proved instrument of assignment to b	to me on the basis of		person who acknowledged the foregoing
Before me this dapersonally known or proved	to me on the basis of	satisfactory evidence to be the	person who acknowledged the foregoing

Page 3 of 3

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

Rev 12/04 (Assign2)

PATENT APPLICATION
ATTORNEY DOCKET NO. 200407147-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal)	, <u>.</u>	Date Assignment Signed:	
Inventor's Typed Name: Peter Guy Howard		Date Application Signed	
		Date Application Signed	
State of)) ss.:		
County of)		
	a basis of sa	itisfactory evidence to be the person who acknowledged the f	who is foregoing
		Notery Public My commission expires:	
	-	Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name: Timothy F. Myers		Date Application Signed	
State of)) ss.:		
County of)		
	basis of sa	_, personally appeared <u>Timothy F. Myers</u> tisfactory evidence to be the person who acknowledged the f	_ who is oregoing
		My commission expires:	
Mant a. Wels nventor's Signature (Seal)	ter	Date Assignment Signed: FCb 22, 20 Date Application Signed FCb 22, 2	<u>0</u> 5
nventor's Typed Name: Grant A. Webster		Date Application Signed Fth 22, 2	<u>005</u>
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 a	basis of sat	, personally appeared <u>Grant A. Webster</u> tisfactory evidence to be the person who acknowledged the fo	_who is pregoing
		Notary Public My commission expires:	
	Dans For Add	itional inventor(s) Signature(s)) Page 3 of 3	3

Rev 12/04 (Assign 2)

RECORDED: 03/29/2005