ATTORNEY DOCKET NO	200701566-1		11-27-	2007	<b>ARTMENT OF COMMERCE</b> tent and Trademark Office	
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1. Name of conveying part Michael Renne Ty Tan Shih-Yuan Wang Duncan Stewart David A. Fattal	NOV 19 2017			ouress or receivir PACKARD DEVE 49	ng party(ies):	
Additional name(s) of convey  3. Nature of Conveyance:  Assignment  Other		□Yes ⊠No	<u> </u>	s) and address(es)		
Execution Date(s):09/17/2	2007; 09/18/2007; 10/	18/2007; 10/2	1/2007			
<ol><li>Application number(s) o</li></ol>	or patent number(s):					
If this document is being	g filed together with a	new application	on, execution dat	e of the application	on is:	
A. Patent Application No	o.(s)					
Application No.: 11/	/888,016	Date Filed:	07/30/2007			
Confirmation No.: 3474 B. Patent N		lo.(s):				
Additional numbers attach	ned? NO					
5. Name and address of p		ondence	6. Total numbe	r of applications	and patents involved: 1	
concerning document s			7. Total Fee (37 CFR 3.41): \$40.00			
Records Manager			Enclosed			
Intellectual Property A HEWLETT-PACKARD						
P.O. Box 272400			_X_Authorization to be charged to deposit account.			
Fort Collins, Colorado 80527-2400		8. Deposit Account Number: 08-2025				
Statement and signature						
To the best of my know copy of the original doc		oregoing infor	mation is true an	d correct and an	y attached copy is a true	
		. //	n			
Robert W. Bergs Name of Person S		Notal Sign	M. Dege ature	tion	November 16, 2007 Date	
	umber of pages includ	J		and documents:	3	
	be recorded (including	<del></del>	<del></del>		40. or mailed to:	
Mail Stop Assignmen	t Recordation Service	s, Director of	the USPTO, P.O	1926/2507 ALEX	andria 1000 68231362550 1188841	
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PATENT REEL: 020173 FRAME: 0740 ATTORNEY DOCKET NO.

200701566-1

## **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:

MICRORESONATOR SYSTEMS AND METHODS OF FABRICATING THE SAME				
Filing Date: July 30, 2007	A	pplication No.: 11/888,016		
and the invention(s) and improvement(s) P's), divisionals, and renewals of and sul Patent of the United States and of coun reissues, or reexaminations, or extension	set forth therein, and bstitutes for said appl itries foreign thereto s of said Letters Pate	d any and all continuations, continuation for said Letters Patent, and which may be granted thereon or nt.	d any and all Letters therefore; and any	
held and enjoyed by HPDC, its successo terms for which said Letters Patent responsame would have been held and enjoyed	rs, assigns, nominees ectively may be grant by me/us had this as	ed, reissued or extended, as fully signment, and transfer not been m	oll end of the term of and entirely as the lade;	
we have not executed and will not execu	I/we have full right to	convey the entire interest herein a	assigned, and that f	
that I/we will, each time a request is mad	e. and without undue	delay execute and deliver all suc	covenant and agree h naners as may he	
necessary or desirable to perfect the title	e to said invention(s)	or improvement(s), said applicati	on and said Letters	
Patent, to HPDC, its successors, assign	ns, nominees or legal	representatives, and I/we agree	to communicate to	
HPDC, or to its nominee, all known facts	s respecting said inve	ntion(s) or improvement(s), said a	application and said	
Letters Patent, to testify in any legal process.	eedings, to sign all la	wful papers, to execute all disclain	ners and divisionals,	
continuations, C-I-P's, reissue and foreign	n applications, to mal	ce all rightful oaths and declaration	ns, and generally to	
do everything possible to aid HPDC, its	successors, assigns	i, nominees and legal representa	itives to obtain and	
enforce, for its or their own benefit, prop countries provided the expenses which r paid by HPDC;	nay be incurred by m	or said invention(s) or improvement elus in lending such cooperation	ent(s) in any and all and assistance are	
	request the Commiss	ioner of Patents and Trademarks	of the United States	
and any official of any country or coun applications as aforesaid, to issue to HP Patent for said invention(s) or improvement be issued and granted on or as a result of	itrles foreign to the PDC, as assignee of ent(s), including any a	United States whose duty it is t the entire right, title and interest, and all Letters Patent of the Unite	o issue patents on any and all Letters d States which may	
I/we further authorize and direct application now identified by the attorney been made known to them by the United \$	t the attorneys of rec docket number and	ord to insert the serial number an title set forth above as soon as ti	d filing date of said	
IN WITNESS WHEREOF, I/we here	unto set my/our hand(s	i) and seal(s):		
Untual Reme	Tu Tan	9/17/200	7	
Inventor's Signature (Seal)	0	Date Assignment Signed		
Michael Dans				
Michael Renne Ty Tan Inventor's Typed Name		Date Application Signed		
meditor a rypod Name		Date Application Signed		
State of	<b>)</b>			
	) ss.:			
County of .	)			
Before me thisday of, pers	onally appeared	Michael Renne Ty Tan	who is personally	
known or proved to me on the basis of satisf assignment to be his/her free act and deed.	actory evidence to be t	he person who acknowledged the fo	regoing instrument of	
		Notary Public		
Rev 10/06a (Assignment)	Page 1 of 2	My Commission Expires:		

PATENT

REEL: 020173 FRAME: 0741

**RECORDED: 11/19/2007** 

## PATENT APPLICATION

ATTORNEY DOCKET NO. 200701566-1

## **ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, IW	e hereunto set my/our hand(s	s) and seal(s):	
Much years (V	an	9/18/07	
Inventor's Signature (Seal)	0	Date Assignment Signed	
Shih-Yuan Wang		9/18/07	
Inventor's Typed Name		Date Application Signed	
State of	) ) ss.:		
County of	)		
	_, personally appeared	Shih-Yuan Wang	who is personally
known or proved to me on the basis of assignment to be his/her free act and de	of satisfactory evidence to be	the person who acknowledged the	foregoing instrument of
assignment to be morner need act and oc	cu.	Notary Public	
		My Commission Expires:	
Inventor's Signature (Seal)		Date Assignment Signed	
		l i	
Duncan Stewart			
Inventor's Typed Name		Date Application Signed	
State of	<b>)</b>		
	) ss.:		
County of	)		
	, personally appeared	Duncan Stewart	who is personally
known or proved to me on the basis of assignment to be his/her free act and de	of satisfactory evidence to be to ed.	he person who acknowledged the f	oregoing instrument of
		Notary Public	
		My Commission Expires:	
(Xae Hall		1-1-1-7	
Inventor's Signature (Seat)		Date Assignment Signed	
David A. Fattal			
Inventor's Typed Name		Date Application Signed	
•		and the second s	
State of	)		
County of	) ss.:		
•	, personally appeared	David A. Famal	and a famous a
known or proved to me on the basis of assignment to be his/her free act and de	f satisfactory evidence to be t	David A. Fattal he person who acknowledged the fo	who is personally oregoing instrument of
		Notary Public	
Rev 10/06a (Assignment)	Page 2 of 2	My Commission Expires:	

**PATENT** 

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