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TELECOTA MARIE (1811 SERIE	12-2004	EET	
		Docket No.: 2386.2	:030-000
To the Director of the U.S. Patent and	2880166	ginal documents or copy thereof.	
Name of conveying party(ies)	2. Name and address o	t receiving party(ies)	PTO
William B. Page	Name: Cisco Techn	ology, Inc.	ω <u></u>
Yan Wang Timothy G. Wade	Internal Address:		7 U.S.F /98183
Mark Milot			10
Ibrahim Yavuz David Cheng-Song Qi			`` =
Additional name(s) of conveying party(ies) attached? [] Yes [X] No			
3. Nature of conveyance:	Street Address:	170 W. Tasman Drive	
[X] Assignment [] Merger			
[] Security Agreement [] Change of Name	City: San Jose	State: CA ZIP: 9513	14
[] Other			
Execution Date: November 3, 2004, respectively	Additional name(s) & addre	ess(es) attached? [] Yes [X] No	
4. Application number(s) or patent number(s):			
A. Patent Application No.(s)	B. Patent No.(s)		
08/2004 JBALINAN 00000084 10981832 FC:8021 40.00 OP Additional numbers	s attached? [] Yes	[X] No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of appl	ications and patents involved: [1]	
Name: Timothy J. Meagher, Esq.	7. Total Fee (37 C.F.R.	3.41)\$ 40.00	
Internal Address:	[X] Enclosed	(with application fee)	
Hamilton, Brook, Smith & Reynolds, P.C.	[] Authorizat	ion to charge deposit account number 08-	0380
Street Address: 530 Virginia Road, P.O. Box 9133	[] Previously	submitted - Doc. ID No. [
	[X] overpayme	It to charge any deficiencies or credit any ent to deposit account number 08-0380	
City: Concord State: MA ZIP: 01742-9133	via facsimile.	is page if paying by deposit account and	
DO NO		e if paying by deposit account and filing v	ia mail.
8. Statement and signature. To the best of my knowledge and belief, the foregoing informat document.	tion is true and correct and	any attached copy is a true copy of the or	iginal
Timothy J. Meagher	m / / / /	11/5/04	
Name of Person Signing	Signature	Date	
Total number of pages including c	over sheet, attachments, and	document: [6]	

ASSIGNMENT

WHEREAS, we, William B. Page, Yan Wang, Timothy G. Wade, Mark Milot, Ibrahim Yavuz and David Cheng-Song Qi, have invented a certain improvement in METHOD AND APPARATUS FOR INCLUSIVE ECHO CANCELLER TESTING described in an application for Patent,

[X]	the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR \S 1.53(b)) and design filings only);					
[]	is about to be filed in the United States Patent Office as a Provisional Application					
[]	the specification of which is United States Application No. [], filed [];					
[]	the specification of which is a Patent Cooperation Treaty Application, International Application No. [], filed [], which designates the United States of America [and assigned United States Application No. []];					
[]	which was patented under United States Patent No. [].					
WHEI	REAS, Cisco Technology, Inc. (hereinafter "ASSIGNEE"), a corporation					

WHEREAS, Cisco Technology, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of California, and having a usual place of business at 170 W. Tasman Drive, San Jose, California 95134 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its

successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the

date set forth below.
Inventor's Signature: Willerm Olyn
William B. Page
State/Commonwealth
of Massachusells
County of Medaleseeps
On this day of
personally known to me, or
proved to me through satisfactory evidence of identification, which was
to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.
SHARYN BRICHER (SE Abbit) Public Ommonweelth, of Autochneelth Commission Enter the State of t
My Commission expires 21287 08

Inventor's Si	gnature:	Soul	
	<u> </u>	No.	Yan Wang
State/Comm	onwealth	1	
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County of	M	aldhi	
County of		my	
On this	3 da	y of Mo	rvember, 20 a before me, the undersigned
notary public	c, personally a		
,			
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prove	d to me throu	gh satisfact	ory evidence of identification, which was
		/	MA LZ
to be the per	son whose na	me was sion	ned on the foregoing instrument in my presence, and
acknowledge			foregoing instrument as his/her free act and deed.
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Inventor's Signature: Mak a Mut	
State/Commonwealth of	rsigned
personally known to me, or proved to me through satisfactory evidence of identification, which was	
Notary Public Sharp Bricher (print name) My Commission expires	
Inventor's Signature:	
State/Commonwealth of Massachusetts County of Moldesett On this day of Movembes, 2004, before me, the under notary public, personally appeared Ibrahim Yavuz, personally known to me, or	rsigned
proved to me through satisfactory evidence of identification, which was	
to be the person whose name was signed on the foregoing instrument in my presence, a acknowledged that signed the foregoing instrument as his/her free act and deed. SHARYN BRICHER My Commission Expires Feb 20, 2000 My Commission expires 7 / 287 08	na

Inventor's Si	gnature:
	David Cheng-Song Qi
State/Comm	onwealth
of \mathcal{M}	ssarhusels
County of	Midslesey
On this	day of <u>November</u> , 2004, before me, the undersigned, personally appeared David Cheng-Song Qi ,
	ally known to me, or
prove	I to me through satisfactory evidence of identification, which was
to be the per	on whose name was signed on the foregoing instrument in my presence, and
acknowledge	d that he/she signed the foregoing instrument as his/her free act and deed.
1847 1 - 1	BRICHER y Public Analogo Diotary Public
2(P):	of Massachusetts
My Commission	Expires Feb 28, 2008 Sha fill (3) richer (print name)
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RECORDED: 11/05/2004