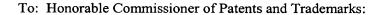


ASSIG

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-PATENTS ONLY-



Please record the attached original document(s) or copy thereof.

	1.	Name of conveying party(ies) a) Arthur G. Howarth b) Ralph Droms c) Roland Saville d) Lawrence Kreeger e) Christopher Wiborg f) Vikas Butaney g) Rajiv Singhal
	2.	Name and address of receiving party(ies): a) Name: Cisco Technology, Inc. Address: 170 West Tasman Drive, San Jose, CA 95134
	3.	Nature of conveyance Assignment
	4.	Application Number(s) or Patent Number(s): NEW
		The title of the (new) application is:
		METHODS AND DEVICES FOR UNIQUELY PROVISIONING RFID DEVICES
	5.	Please send all correspondence concerning this (these) documents to: Beyer Weaver & Thomas, LLP P.O. Box 778 Berkeley, CA 94704-0778 Ph: (510) 843-6200 Fax: (510) 843-6203 (Customer Number: 022434)
	6.	Total number of applications and patents involved: 1
	7.	Total fee (37 CFR 3.41): \$40.00
		Enclosed All fees are authorized to be charged to Deposit Account No. 500388 (Order No. CISCP376)
	8. attache	To the best of my knowledge and belief, the foregoing information is true and correct and any d copy is a true copy of the original document.
/	Date:	June 9, 2004
06/17	/2004 EHA]	Roger S. Sampson Registration No. 44,314
04 FC	:8021	40.00 OP
	Attorn	ey Docket No. CISCP376/9213 (Revised 12/01)

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

19270 U.S. PTO 10/866506

METHODS AND DEVICES FOR UNIQUELY PROVISIONING RFID DEVICES

(Atty. Docket No. CISCP376/9213), (check one)
for which I have executed a U.S. patent application on even date herewith. (Accompanying) which bears U.S. application No (Not accompanying) which is a U.S. provisional application. (Accompanying)
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:
Sell, assign and transfer to <u>Cisco Technology, Inc.</u> , a California corporation having a place of business at <u>170 West Tasman Drive</u> , San Jose, CA 95134-1706, ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.

- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
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- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature:	Date: 10423/04
State of California) County of Sunta Clara) ss.	
On this day of Notary Public, personall known to me (or proved to me on the basis of satisfactory subscribed to the within instrument, and acknowledged the her authorized capacity(ies), and that by his her signal entity upon behalf of which the person acted, executed the in WITNESS my hand and official seal. Notary Signature	y appeared Arthur G. Howarth, personally evidence) to be the person whose name is to me that he she executed the same in ture on the instrument the person, or the
2. Inventor Signature:	Date:
State of Massachusetts) County of	
	at he/she executed the same in his/her
Notary Signature	/SEAL)

3. Inventor Signature:			Date:	
Roland	d Saville			
State of Florida)	SS.		
County of				
On this day to me (or proved to me on the subscribed to the within instruction in the subscribed to the subscribed to the within instruction in the subscribed to the subscribed to the within instruction in the subscribed to the	Notary Public, point basis of satisfaument, and acknow, and that by his/person acted, execution.	ersonally appe actory evidence wledged to m her signature o	ared Roland Saville, person when to be the person when that he/she executed on the instrument the p	onally known hose name is the same in
Notary Signature			(SEAL)	
4. Inventor Signature:	nce Kreeger		Date:	
State of California)			
County of)	SS.		
On this day, known to me (or proved to me of subscribed to the within instruction his/her authorized capacity(ies), entity upon behalf of which the particular without subscribed to the within instruction with the particular without subscribed to the within instruction with the particular within the particular withi	Notary Public, on the basis of sati ment, and acknow, and that by his/loerson acted, exec	personally ap isfactory evide wledged to ma ner signature o	peared Lawrence Kreege nce) to be the person we that he/she executed on the instrument the p	r, personally hose name is the same in
Notary Signature			(SEAL)	

5. Inventor Signature:				Date:		
	Christopher Wibor	g				
State of California)	ss.			
County of	·					
	_ day of , Notary l					
known to me (or proved subscribed to the within his/her authorized capa entity upon behalf of wh WITNESS my h	n instrument, and city(ies), and that	d acknown by his/ ed, exec	wledged to her signati	o me that he/shoure on the instru	e executed	the same in
Notary Signature				_ (S	EAL)	
6. Inventor Signature:				Date:		
o. In control organic	Vikas Butaney					
State of California)	SS.			
County of						
	day of , Notary P			_, in the yea		
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Notary Signature				(S	FALL	

7. Inventor Signature:	Date:
Rajiv Singh	1
State of California	•)
County of) ss.)
	, in the year 200, before mary Public, personally appeared Rajiv Singhal, personally known
me (or proved to me on the basis of to the within instrument, and ack	satisfactory evidence) to be the person whose name is subscribe nowledged to me that he/she executed the same in his/his/her signature on the instrument the person, or the entity upocuted the instrument.
Notary Signature	(SEAL)

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

METHODS AND DEVICES FOR UNIQUELY PROVISIONING RFID DEVICES

(Atty. Docket No. CISCP376/9213), (check one)
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Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature:	Date:
Arthur G. Howarth	
State of California)	SS.
County of	
On this day of, Notary Public	, in the year 200_, before me, personally appeared Arthur G. Howarth, personally
subscribed to the within instrument, and ack	satisfactory evidence) to be the person whose name is nowledged to me that he/she executed the same in is/her signature on the instrument the person, or the secuted the instrument.
Notary Signature	(SEAL)
2. Inventor Signature: Ralph Droms	Deoms Date: 5/28/04
State of Massachusetts) County of MITTORESEX	SS.
On this day of My Notary Public, me (or proved to me on the basis of satisfactory to the within instrument, and acknowledged authorized capacity(ies), and that by his/her sign behalf of which the person acted, executed the i WITNESS my hand and official seal.	
Notary Signature Works ()	Talon (SEAL)

WENDA C. PATON NOTARY PUBLIC My Commission Expires Oct. 23, 2009

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Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature: _			Date:	
	Arthur G. Howarth			
State of California)) ss.		
County of		_)		
known to me (or proved subscribed to the within his/her authorized capac entity upon behalf of whi	, Notary Pulto me on the basis of instrument, and a ity(ies), and that by	olic, personally of satisfactory eacknowledged to his/her signat, executed the in	appeared Arthur G. evidence) to be the poor me that he/she exure on the instrument	xecuted the same in
Notary Signature			_ (SEA	·)
2. Inventor Signature: _	Ralph Droms		Date:	
State of Massachusetts County of)) ss.)		
On this me (or proved to me on to the within instrumer authorized capacity(ies), behalf of which the person	day of, Notary Publ he basis of satisfact and acknowled; and that by his/her s	ic, personally a ory evidence) to ged to me that signature on the instrument.	ppeared Ralph Droms, to be the person whos the/she executed	the same in his/her
Notary Signature			_ SEA	1.)

3. Inventor Signature: Roland Saville Date: 95/27/04
State of Florida County of Palm Beach ss.
On this day of, in the year 200_4, before me, Notary Public, personally appeared Roland Saville, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. Notary Signature
4. Inventor Signature: Date:
State of California) State of California) Ss. County of
On this day of, in the year 200, before me, Notary Public, personally appeared Lawrence Kreeger, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal. Notary Signature (SEAL)

5. Inventor Signature:				Date:	
	Christopher Wibo	rg			
State of California County of)	SS.		
County of)			
On this	day of , Notary	Public,	personally	, in the year 200 y appeared Christopher Wib	org, personally
subscribed to the within	n instrument, an city(ies), and that ich the person ac	d acknown to by his. ted, executed,	owledged her signa	evidence) to be the person to me that he/she execute ture on the instrument the instrument.	ed the same in
Notary Signature				(SEAL)	
C. T				D.A.	
6. Inventor Signature : _.	Vikas Butaney			Date:	
State of California)	SS.		
County of					
On this	day of , Notary I	Public, p	personally	, in the year 200 appeared Vikas Butaney per	_, before me,
to me (or proved to me subscribed to the within	e on the basis on instrument, and that ity (ies), and that ich the person ac	of satisfad acknown to by his/ted, execution	actory evi owledged /her signa	dence) to be the person to me that he/she execute ture on the instrument the	whose name is ed the same in
Notary Signature				(SEAL)	

7. Inventor Signature:		Date:					
Rajiv Singhal							
State of California)						
County of)	SS.					
On this day of		onally appe					
me (or proved to me on the basis of satisf to the within instrument, and acknow authorized capacity(ies), and that by his/h behalf of which the person acted, execute WITNESS my hand and official s	factory eviledged to ner signatured the	dence) to be me that h re on the ins	the perso e/she exc	on who ecuted	se name the sar	e is subsc ne in hi	ribed s/her
Notary Signature				(SE.	AL)		

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

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(Atty. Docket No. CISCP376/9213), (check one)
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Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature:				_ Date:		
1. Inventor Signature:	Arthur G. Howart	th				
State of California)	SS.			
County of		<u>´</u>				
On this	day of, Notary	Public.	personally	, in the yea	ur 200,	before me,
known to me (or proved subscribed to the within his/her authorized capac entity upon behalf of wh WITNESS my ha	to me on the ban instrument, are city(ies), and that ich the person ac	sis of satind acknown to by his/leted, executed, execute	sfactory ev wledged to ner signatur	idence) to be the me that he/shere on the instru	ne person v e executed	whose name is I the same in
Notary Signature				(5	SEAL)	
2. Inventor Signature:	Ralph Droms	·		Date:		
State of Massachusetts)				
County of			SS.			
On this	day of, , Notary I	Public, pe	rsonally ap	, in the yea	ar 200 <u>,</u>	before me
me (or proved to me on to to the within instrumer authorized capacity(ies), behalf of which the perso WITNESS my ha	the basis of satis nt, and acknow and that by his/h on acted, execute	factory eveledged to her signated the instant	vidence) to o me that ure on the i	be the person w he/she execute	hose name	e is subscribed me in his/her
Notary Signature				(\$	EAL)	

3. Inventor Signature:		Date:
Roland S		
State of Florida)) ss.	
County of		
On this day o		, in the year 200, before me, appeared Roland Saville, personally known
to me (or proved to me on the subscribed to the within instrum	basis of satisfactory evenent, and acknowledged and that by his/her signaerson acted, executed the	vidence) to be the person whose name is to me that he/she executed the same in ature on the instrument the person, or the
Notary Signature		(SEAL)
4. Inventor Signature: Lawrence	e Kreeger	Date: 6/2/2004
State of California)	
County of Santa Clara) ss.)	
MALAKEH DABIP, 1	Notary Public, personal	, in the year 200, before me, ally appeared Lawrence Kreeger, personally
known to me (or proved to me or	the basis of satisfactory	vevidence) to be the person whose name is to me that he/se executed the same in
his/her authorized capacity(ise),	and that by his/hext signa	ature on the instrument the person, or the
entity upon behalf of which the pe	rson acted, executed the	instrument.
WITNESS my hand and o	ulcian seal.	MALAKEH DABIR
Notary Signature	1.000	EAcommission # 1372905 Notary Public — California

5. Inventor Signature:			Date:	
J	Christopher Wib	org		
State of California)		
County of) ss.)		
				ar 200, before me, opher Wiborg, personally
known to me (or proved subscribed to the with	I to me on the b in instrument, a city(ies), and th nich the person a	asis of satisfacto and acknowledge at by his/her sign acted, executed the	ry evidence) to be the ed to me that he/sho mature on the instru	ne person whose name is e executed the same in ament the person, or the
Notary Signature			(S	SEAL)
			,	
	-			
6. Inventor Signature:			Date:	
o. Inventor Dignature.	Vikas Butaney			
State of California)) ss.		
County of				
				ar 200, before me sutaney personally known
to me (or proved to m subscribed to the with	ne on the basis in instrument, a city(ies), and th nich the person a	of satisfactory and acknowledge at by his/her sig acted, executed the	evidence) to be the ed to me that he/sh gnature on the instru	person whose name is e executed the same in ament the person, or the
Notary Signature			<i>(</i> 5	SEALT

/. Inventor Signature:	Date:					
Rajiv Singhal						
State of California)					
County of) ss.)					
On this day of	, in the year 200, before republic, personally appeared Rajiv Singhal, personally known	me,				
me (or proved to me on the basis of satist to the within instrument, and acknow	factory evidence) to be the person whose name is subscrib- ledged to me that he/she executed the same in his/ her signature on the instrument the person, or the entity up ed the instrument.	bed her				
Notary Signature	(SEAL)					

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(Atty. I	Pocket No. CISCP376/9213), (check one)
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Signed on the date indicated beside my signature.

Revised 01/02, Assign US Notary

1. Inventor Signature:		Date:	
Arthur C	. Howarth		
State of California)) ss.		
County of			
On this day o	of Notary Public, person	, in the year 200, ally appeared Arthur G. Howard	before me,
known to me (or proved to me or subscribed to the within instrun his/her authorized capacity(ies), entity upon behalf of which the pe WITNESS my hand and o	n the basis of satisfactonent, and acknowledge and that by his/her signston acted, executed the control of the	ory evidence) to be the person we'd to me that he/she executed gnature on the instrument the p	hose name is the same in
Notary Signature	····	(SEAL)	
2. Inventor Signature:	roms	Date:	
State of Massachusetts)		
County of) ss.		
		, in the year 200, ly appeared Ralph Droms, persona	
me (or proved to me on the basis to the within instrument, and a authorized capacity(ies), and that behalf of which the person acted, WITNESS my hand and or	of satisfactory evidenc acknowledged to me by his/her signature on executed the instrumer	e) to be the person whose name that he/she executed the sam the instrument the person, or th	is subscribed ne in his/her
Notary Signature		(SEAL)	

3. Inventor Signature:	Date:
Roland Saville	
State of Florida) County of)	SS.
County of	
, Notary Publi	, in the year 200_, before me, c, personally appeared Roland Saville, personally known
subscribed to the within instrument, and ac	tisfactory evidence) to be the person whose name is knowledged to me that he/she executed the same in his/her signature on the instrument the person, or the executed the instrument.
Notary Signature	(SEAL)
4. Inventor Signature:	Date:
Lawrence Riceger	
State of California	SS.
County of	
, Notary Pub	, in the year 200, before melic, personally appeared Lawrence Kreeger, personally
known to me (or proved to me on the basis of subscribed to the within instrument, and ac	f satisfactory evidence) to be the person whose name is knowledged to me that he/she executed the same in his/her signature on the instrument the person, or the
Notary Signature	(SEAL)

5. Inventor Signature: _	(mist officer	R. U	Ny	Date: _	6/2/04	
	Christopher Wiborg	,	75	_	/ (" /	
State of California County of Santa	Clara)) s	s.			
On this 2 MALAKAT DATE: known to me (or proved subscribed to the within his/her authorized capacientity upon behalf of whi	day of Juwe , Notary Pu to me on the basis instrument, and ity(i), and that b	of satisfa acknowle by his/her l, execute	sonally appe ctory eviden dged to me signature or	ared Chris ce) to be to that he/s the instr	stopher Wiborg, p the person whose k e executed the	e name is same in on, or the BIR 372905 California Sounty
6. Inventor Signature: _	Vikas Butaney			Date: _		-
State of California)	·s.			
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On this	day of, Notary Pub				ear 200 <u>,</u> bef Butaney personall	
to me (or proved to me subscribed to the within his/her authorized capaci entity upon behalf of whice	on the basis of a instrument, and a ity(ies), and that b	satisfacto acknowle y his/her I, execute	ry evidence) dged to me signature or	to be th that he/s the instr	e person whose he executed the	name is same in
Notary Signature				(SEAL)	

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Revised 01/02, Assign US Notary

1. Inventor Signature: _			_ Date:	
<u> </u>	Arthur G. Howarth			· .
State of California)) ss.		
County of)		
On this	day of	lic, personally a	in the year 200	, before me,
known to me (or proved subscribed to the within his/her authorized capacientity upon behalf of whi	to me on the basis of instrument, and activities, and that by	of satisfactory evicknowledged to his/her signature executed the inst	dence) to be the persone that he/she exected on the instrument to	on whose name is uted the same in
Notary Signature			(SEAL)	
2. Inventor Signature: _	Ralph Droms		Date:	
State of Massachusetts)		
County of) ss.)		
On this	day of		in the year 200 peared Ralph Droms, p	
to me (or proved to me subscribed to the within his/her authorized capacientity upon behalf of which	on the basis of sa instrument, and ac ty(ies), and that by	ntisfactory evider eknowledged to his/her signature	me that he/she exected on the instrument to	n whose name is uted the same in
Notary Signature			CRAIN	

State of California)	
County of) ss.	
On this day of, in the yea	ar 200, before me,
known to me (or proved to me on the basis of satisfactory evidence) to be the subscribed to the within instrument, and acknowledged to me that he/sh his/her authorized capacity(ies), and that by his/her signature on the instrument; upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.	he person whose name is the executed the same in
Notary Signature	SEAL)
6. Inventor Signature: Vikas Butaney Date:	6/7/04
State of California) ss.	
County of SANTA CLARA On this 7 th day of JWE, in the year	
, Notary Public, personally appeared Vikas B to me (or proved to me on the basis of satisfactory evidence) to be the subscribed to the within instrument, and acknowledged to me that he/sh his/ber authorized capacity(ies), and that by his/ber signature on the instruentity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.	sutaney personally known person whose name is ee executed the same in
Notary Signature	SEAL)
	SHYAM, K. KOTA Commission # 1359297 Notary Public - California

/. Inventor Signature: _		Date:	
.	Rajiv Singhal		
State of California)		
County of)	SS.	
On this	day of	· · · · · · · · · · · · · · · · · · ·	ear 200, before me, Singhal, personally known
to me (or proved to me subscribed to the within his/her authorized capaci entity upon behalf of whice WITNESS my har	on the basis of satisfact instrument, and acknowl ty(ies), and that by his/he	ory evidence) to be the ledged to me that he/sl or signature on the instr	e person whose name is he executed the same in
Notary Signature		e de la companya de	SPATA

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ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

METHODS AND DEVICES FOR UNIQUELY PROVISIONING RFID DEVICES

(Atty	. Docket No. CISCP3/0/9213), (check one)
	for which I have executed a U.S. patent application on even date herewith. (Accompanying) which bears U.S. application No (Not accompanying) which is a U.S. provisional application. (Accompanying)
ackno	For good and valuable consideration, the receipt and sufficiency of which is hereby owledged, I, an undersigned inventor, hereby:
title a and p	Sell, assign and transfer to <u>Cisco Technology, Inc.</u> , a California corporation having a place of ess at <u>170 West Tasman Drive</u> , San Jose, CA 95134-1706, ("ASSIGNEE"), the entire right, and interest in any and all improvements and inventions disclosed in, applications based upon, atoms granted upon (including foreign patents and the right to claim priority), the above-moded application.
	Authorize and request the Commissioner of Patents to issue any and all United States Patents ing from said application or any division, continuation, substitute, renewal, re-examination or the thereof to the ASSIGNEE.

- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

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1. Inventor Signature:		Date:	
Arthu	ır G. Howarth		
State of California)) ss.		
County of			
		, in the year 200, before mally appeared Arthur G. Howarth, personally	
known to me (or proved to me subscribed to the within inst	e on the basis of satisfact rument, and acknowledges, and that by his/her site e person acted, executed	tory evidence) to be the person whose na ged to me that he/she executed the san ignature on the instrument the person,	me is
Notary Signature		(SEAL)	
2. Inventor Signature:Ralpl	h Droms	Date:	
State of Massachusetts)) ss.		
County of			
On this day	of, Notary Public, persona	, in the year 200, before ally appeared Ralph Droms, personally kno	me, wn to
me (or proved to me on the basto the within instrument, an	sis of satisfactory eviden d acknowledged to me nat by his/her signature o ed, executed the instrume	ce) to be the person whose name is subset that he/she executed the same in he on the instrument the person, or the entity	cribed is/her
Notary Signature		(SEAL)	

WITNESS my hand and official seal.

Notary Signature _____

6- 9-04;10:00AM;

(SEAL)

5. Inventor Signature:	Date:
Christopher Wiborg	
State of California)	SS.
County of	 -
On this, Notary Public, particle known to me (or proved to me on the basis of satisfactions and acknown his/her authorized capacity(ies), and that by his/lentity upon behalf of which the person acted, executive with the person acted, executive with the person acted.	wledged to me that he/she executed the same in her signature on the instrument the person, or the
Notary Signature	(SEAL)
6. Invertor Signature:	Date:
Vikas Butaney State of California)	Date:
Vikas Butaney State of California) County of On this day of	

Notary Signature ____

(SEAL)

7. Inventor Signature: Raity Singhal Date: 5/27/2004

State of California

County of Santa Clara

SS.

On this 27th day of May, 3004, in the year 2004, before me, Patricia And tomas to Montal India and India a

WITNESS my hand and official seal.

Notary Signature Latricia ann Tomaskip

(SEAL)

PATRICIA ANN TOMASKO
COMM. #1387759
NOTARY PUBLIC - CALIFORNIA
SANTA CLARA COUNTY
My Commission Expires Nov. 28, 2006

Revised 01/02, Assign US Notary

RECORDED: 06/09/2004