	06-30-2006		4-23-04		
FOR			PR RECORDATION	.tty. Docket: BHT-3259-56	
	- 103266718	demarks: Plea	se record the attached original documen	ts or copy thereof.	
•	Name of conveying party(ies):		2. Name and address of receiving	party(ies):	
	Ta-Gang CHIOU		Name: <u>GROUNDHOG TECHNO</u>	LOGIES INC.	
	Wei-Guang TENG Meng-Seng CHEN		Foreign Address:	802 802	
	Chao-Chi CHANG			60 747 1	
	Additional name(s) of conveying party(ies) attached?				
3.	Nature of conveyance: X Assignment Merger Security Agreement Change o Other		Domestic Address: <u>One Broadway</u> ,		
			City: <u>Cambridge</u> Sta	ate <u>MA</u> ZIP <u>02142</u>	
	Execution Date: June 15, 2006		Additional name(s) & address(es) a	ttached? 🗌 Yes 🛛 No	
	If this document is being filed together with a A. Patent Application No.(s) Additional pu	mbers attached	B. Patent Registration No.(s)	June 19, 2005	
	Name and address of party to whom correspo		6. Number of applications and pat	ents involved:	
-	concerning document should be mailed:		One (1)		
	Name: TROXELL LAW OFFICE PLLC		_ }		
	5205 Leesburg Pike		7. Total fee (37 CFR 3.41):	\$160.00	
	Suite 1404		Enclosed		
	Falls Church, Virginia 22041-3401		X Authorized to be charged to deposit account		
	Telephone No.: (703) 575-2711		8. Deposit account number <u>501874</u>		
	Facsimile No.:(703) 575-2707		 (Attach duplicate copy of this page 	e if paying by deposit account):	
		DO NOT US	E THIS SPACE		
).	Statement and signature.				
	To the best of my knowledge and belief, the for original document.	regoing inform	ation is true and correct and any attached	d copy is a true copy of the	
	Bruce H. Troxell	\mathcal{S} \checkmark	French	June 23, 2006	
	Name of Person Signing Registration No.26,592	S	gnature	Date	
' 29/	2006 DBYRNE 00000260 501874 11473056				

ASSIGNMENT

WHEREAS, 1 (we), CHIOU, Ta-Gang

whose post office address(es) appear below, hereinafter referred to as ASSIGNOR, is (are) the owner(s) of certain new and useful improvements in

Method and System for Identifying Mobile User Cluster by Call Detail Record

(Hereinaffer referred to as the INVENTION) for which an application for United States Letters Patent was

executed on even date belowith

8-18-210124

_____ executed on.

filed on:

Serial No.

WHEREAS, GROUNDHOG TECHNOLOGIES INC.

whose post office address is One Broadway, 14th Floor, Cambridge, MA, USA 02142

heromafter referred to a: ASSIGNEE, is desirous of acquiring the entire right, title and interest it and to the same in the United States and throughout the world. NOW, THEREFORE, for good and valuable consideration, receipt of which is bereby acknowledged, 1 (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title, and interest in and to said INVENTION and application throughout the United States of America, including any and all United States Letters Patent granted on any division, continuation, continuation-in-part and reissue of said application; and the entire right, title and interest in and to the said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties, and the entire right, file and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNOR hereby agrees to executed any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patient application(s) or inventor cortificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE is and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the PNVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testumony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patient application or patient encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's here, administrators and other terms of this instrument.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such 1 etters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNER had this assignment and sale not been made.

ASSIGNOR authorizes TROXELL LAW OFFICE PLLC to insert or complete any information in this document needed to effect its records in the

U.S. Patent and Trademurk Office

Assignor Name	CHIOU. Ta-Gang	Addres	12F., No.107, Sec. 2, Hangjhou S. Rd.,
Where Signed	Taiwan (R.O.C.)		Da-an District, Taipei City 106, Taiwan (R.O.C.)
Date	2006/06/15	Signature	2
(Notarization prefeired put not required)			
Before me personally appeared said			
And acknowledged this instrument to be his (her) free act and deed this			Jay
Notary Public			
	My Comm	ission Expires	

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ASSIGNMENT

WHEREAS, Lovel. TENG, Wei-Guang

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🖂 executed on:

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ASSIGNOR autoprizes 1 ROXELULAW OFFICE PLUC to insert or complete any information in this document needed to effect its recordal in the

U.S. Patent and Trademark Office.

Assigner Name	TENG, Wei-Guang	Address 3F., No.38, Lanc 17, Hengguang St.,		
Where Signed	Taiwan (R.O.C.)	Wunchan District, Taipei City 116, Taiwan (R.O.C.)		
Date	2006/06.15	Signature - Pero Chies - France		
(Notanzation profession but not required)				
Before me person	Before me personally appeared said			
And acknowledged this invironment to be his (her) free act and deed this		dayday		
Notary Public				
My Commission Expires				

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ASSIGNMENT

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executed on

filed on.

Serial No.

established by PCT International Patent Application No.:

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ASSIGNOR authorizes TRONELL LAW OFFICE PLLC - to insect or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office

3F., No.16, Lane 233, Yanji St., Address Assignor Name CHEN. Meng-Seng Where Signed Taiwan (R.O.C.) Songshan District, Taipei City 105, Taiwan (R.O.C.) 2006/06/15 Date Signature (Notarization preferred but not required) Before me personally appeared said And acknowledged this inscrument to be his (her) free act and deed this day. oſ 2006 Notary Public My Commission Expires:

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ASSIGNMENT

WHEREAS, 1 (we), CHANG, Chao-Chi

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Method and System for Identifying Mobile User Cluster by Call Detail Record

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executed on even date here with

5-21112:0

🗇 executed on.

🗍 filed on

Serial No :

established by PCT International Patent Application No.

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whose post office address is One Broadway, 14th Floor, Cambridge, MA, USA 02142

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ASSIGNOR authorizes TRONEUL LAW OFFICE PLLC to insert or complete any information in this document needed to effect its recordal in the

U.S. Potent and Trademork Office.

Assignor Name	CHANG, Chao-Chi	Address No.6, Lane 133, Dahc St., Jhushan Township,	
Where Signed	Taiwan (R.O.C.)	Nantou County 557, Taiwan (R.O.C.)	
Date	2006/06/15	Signature Chaoch, G	
		(/	
(Notarization prefs	ened bacarot required)		
Before me personally appeared sord			
And acknowledged this matrimont to be Lis (her) free act and deed this		d/y 	
Notary Public			
	Му Солг	mission Expires	

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PATENT REEL: 018031 FRAME: 0158

RECORDED: 06/23/2006