

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Gary Shueng Han CHANG	03/14/2007
Vanessa Meng I LEI	03/16/2007
Patrick Chun Sing FAN	03/21/2007
Marvin Yuk Kit KWOK	03/20/2007
Reeve Kit Wah LAU	03/20/2007
Ivan Ka Wai LEE	03/21/2007
<b>RECEIVING PARTY DATA</b>	
Name:	The Hong Kong University of Science and Technology
Street Address:	Technology Transfer Center
Internal Address:	Clear Water Bay, Kowloon
City:	Hong Kong
State/Country:	CHINA
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	11652103
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(972)980-5841
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	972-980-5838
Email:	groover@technopatents.com
Correspondent Name:	Groover & Associates/Robert Groover
Address Line 1:	P. O. Box 802889
Address Line 4:	Dallas, TEXAS 75380
ATTORNEY DOCKET NUMBER:	TTC-276
NAME OF SUBMITTER:	Robert O. Groover

CH \$40.00 11652103

**500405935**

**PATENT**  
**REEL: 020159 FRAME: 0634**

**Total Attachments: 10**

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

10

Application Number

11/562,103

Filing Date

November 21, 2006

First Named Inventor

Gary Shueng Han CHAN

Art Unit

Examiner Name

Attorney Docket Number

TTC.276

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)

Reply to Missing Parts/  
Incomplete ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional Application

Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_



Landscape Table on CD



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):Recordation Form Cover Sheet (2 pages)  
Assignment (6 pages)

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Groover &amp; Associates

Signature

Printed name

Robert Groover

Date

November 27, 2007

Reg. No.

30,059

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Carol Boultinghouse

Date

Nov. 27, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT****REEL: 020159 FRAME: 0636**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2008**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 40.00**Complete if Known**

Application Number	11/562,103
Filing Date	November 21, 2006
First Named Inventor	Gary Shueng Han CHAN
Examiner Name	
Art Unit	
Attorney Docket No.	TTC.276

**METHOD OF PAYMENT** (check all that apply)
☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 72320 Deposit Account Name: Groover & Associates

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

**2. EXCESS CLAIM FEES****Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
210	105
370	185

Each independent claim over 3 (including Reissues)

Multiple dependent claims

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 20 or HP = _____	x _____	= _____	

<b>Multiple Dependent Claims</b>	
<b>Fee (\$)</b> <b>Fee Paid (\$)</b>	
_____	_____

HP = highest number of total claims paid for, if greater than 20.

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 3 or HP = _____	x _____	= _____	

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	

**4. OTHER FEE(S)**

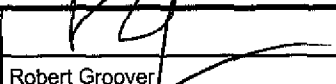
Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): \$40.00 Recordation Fee

**Fees Paid (\$)**

\$40.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 30,059	Telephone 972.980.5838
Name (Print/Type)	Robert Groover		Date November 27, 2007

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**PATENT****REEL: 020159 FRAME: 0637**

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

Page 1 of 2

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Gary Shueng Han CHAN  
Vanessa Meng-I LEI  
Patrick Chun-Sing FAN  
Marvin Yuk-Kit KWOK

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) Mar 14, 2007; Mar 16, 2007; Mar 21, 2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: The Hong Kong University of Science and Technology

Internal Address: Technology Transfer Center

Street Address: \_\_\_\_\_

City: Clear Water Bay, Kowloon

State: \_\_\_\_\_

Country: Hong Kong

Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)  
11/562,103

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Groover & Holmes

Internal Address: \_\_\_\_\_

Street Address: P. O. Box 802889

City: Dallas

State: Texas Zip: 75380-2889

Phone Number: 972.980.5840

Fax Number: 972.980.5841

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: 1**

- 7. Total fee (37 CFR 1.21(h) & 3.41) \$ \_\_\_\_\_**
- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

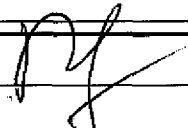
**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 072320

Authorized User Name Robert Groover

**9. Signature:**



Signature

November 27, 2007

Date

Robert Groover  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

Page 2 of 2

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Reeve Kit-Wah LAU  
Ivan Ka-Wai LEE

Additional name(s) of conveying party(ies) attached? ☒ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) Mar 20, 2007 & Mar 21, 2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

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Internal Address: Technology Transfer Center

Street Address: \_\_\_\_\_

City: Clear Water Bay, Kowloon

State: \_\_\_\_\_

Country: Hong Kong

Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)  
11/562,103

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

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Internal Address: \_\_\_\_\_

Street Address: P. O. Box 802889

City: Dallas

State: Texas Zip: 75380-2889

Phone Number: 972.980.5840

Fax Number: 972.980.5841

Email Address: groover@technopatents.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

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Authorized User Name Robert Groover

**9. Signature:**

Signature

November 27, 2007

Date

Robert Groover

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

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## **ASSIGNMENT**

As a below-named inventor of the U.S. patent application entitled **An Efficient Person Search Mechanism in Peer-to-Peer Networks**, which names an inventorship of **Gary Shueng Han CHAN, Vanessa Meng I LEI, Patrick Chun Sing FAN, Marvin Yuk Kit KWOK, Reeve Kit Wah LAU, and Ivan Ka Wai LEE**, and which was filed 11/21/06 and received Serial No.

11/562,103, I hereby sell, assign and transfer to **The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong**, (hereinafter referred to as ASSIGNEE), for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in all foreign countries to be obtained for said invention by said application or any division, continuation, continuation-in-part, renewal, substitute, extension, re-examination or reissue thereof or any legal equivalent thereof in the United States or any foreign country for the full term or terms of which the same may be granted, and specifically including the right to file foreign applications and claim priority therefore under the provisions of any convention or treaty;

and I also hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

and I further hereby covenant that I will, upon ASSIGNEE'S request, promptly provide ASSIGNEE with all pertinent facts and documents, relating to said application, to any invention disclosed therein, or to any of said Letters Patent or legal equivalents thereof in the United States or in foreign countries, as may be known and accessible to me, and that I will testify and give evidence as to the same in any litigation or interference which may arise, and that I will promptly execute and deliver to ASSIGNEE or its legal representative, without charge but at Assignee's expense, any and all papers, instruments or affidavits which may be required, necessary or desirable for the purpose of applying for, obtaining, maintaining, issuing or enforcing said application and said Letters Patent and said equivalents thereof in the United States or in any foreign country; and I further authorize ASSIGNEE or its legal representative to make any submissions or true declarations which may be needed in connection with the prosecution of this application or related applications in the U.S. or in other countries, consistent with the requirements of the applicable country;

AND I HEREBY AUTHORIZE AND REQUEST the issuing authority

to issue any and all United States and foreign patents granted on said invention to ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the date set forth below.

Inventor: Gary Shueng Han CHAN

Date: 14 March 07 Signature: [Signature]

Residence: Flat D, 41/F, Tower 3, Ocean Shores, 88 O King Road, Kowloon,  
Hong Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Vanessa Meng I LEI

Date: 16 March 07 Signature: 李國怡

Residence: Est. do Repouso, Edif. Hip Heng, 4 Andar A, Macau

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (Macau)



Inventor: Patrick Chun Sing FAN

Date: 2/3 Signature: 

**Residence:** Flat L, 10/F, Block 1, Carado Garden, Tai Wai, N.T., Hong Kong

**Mailing Address:** Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

**Citizenship:** China (HKSAR)

Inventor: Marvin Yuk Kit KWOK

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

**Residence:** Room 621, Block G, Lok Man Sun Chuen, Tokwawan, Kowloon,  
Hong Kong

**Mailing Address:** Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

**Citizenship:** China (HKSAR)

Inventor: Reeve Kit Wah LAU

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

**Residence:** Room 1752, Oriole House, Sha Kok Estate, Shatin, N.T., Hong  
Kong

**Mailing Address:** Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

**Citizenship:** China (HKSAR)

Inventor: Patrick Chun Sing FAN

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: Flat L, 10/F, Block 1, Carado Garden, Tai Wai, N.T., Hong Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Marvin Yuk Kit KWOK

Date: 20-3-2007 Signature: 郭詠傑

Residence: Room 621, Block G, Lok Man Sun Chuen, Tokwawan, Kowloon,  
Hong Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Reeve Kit Wah LAU

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: Room 1752, Oriole House, Sha Kok Estate, Shatin, N.T., Hong  
Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Patrick Chun Sing PAN

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: Flat L, 10/F, Block 1, Carado Garden, Tai Wai, N.T., Hong Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Marvin Yuk Kit KWOK

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

Residence: Room 621, Block G, Lok Man Sun Chuen, Tokwawan, Kowloon,  
Hong Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Reeve Kit Wah LAU

Date: 20-3-2007 Signature: 劉傑華

Residence: Room 1752, Oriole House, Sha Kok Estate, Shatin, N.T., Hong  
Kong

Mailing Address: Department of Computer Science and Engineering, The  
Hong Kong University of Science and Technology, Clear Water Bay, Kowloon,  
Hong Kong

Citizenship: China (HKSAR)

Inventor: Ivan Ka Wai LEE

Date: 21 / 3 Signature: 

**Residence:** Room 1501, Sun Yee House, Sun Chui Estate, Shatin, N.T., Hong Kong

**Mailing Address:** Department of Computer Science and Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong

Citizenship: China (HKSAR)