

# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/CA05/000958

International filing date: 22 June 2005 (22.06.2005)

Document type: Certified copy of priority document

Document details: Country/Office: US  
Number: 60/619,461  
Filing date: 15 October 2004 (15.10.2004)

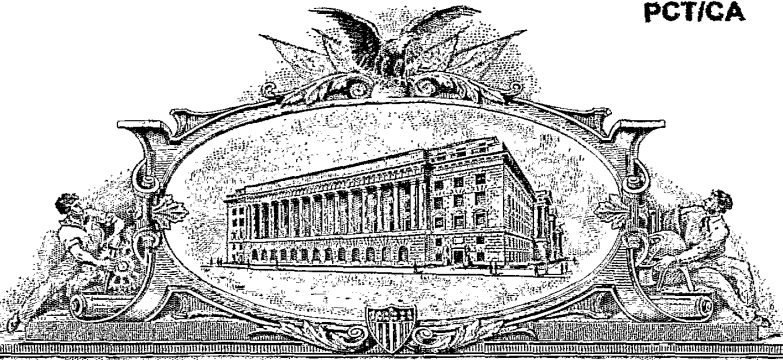
Date of receipt at the International Bureau: 09 September 2005 (09.09.2005)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse

PA 1319977



**THE UNITED STATES OF AMERICA**

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

**UNITED STATES DEPARTMENT OF COMMERCE**

**United States Patent and Trademark Office**

**May 16, 2005**

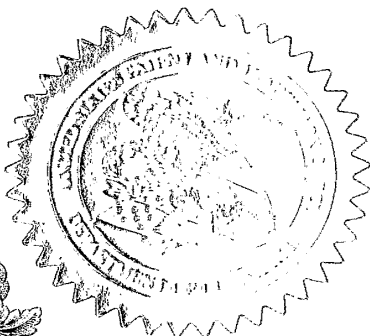
**THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.**

**APPLICATION NUMBER: 60/619,461**

**FILING DATE: *October 15, 2004***

**By Authority of the  
COMMISSIONER OF PATENTS AND TRADEMARKS**

**E. BORNETT  
Certifying Officer**



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.

**PROVISIONAL APPLICATION FOR PATENT COVER SHEET**

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

Express Mail Label No. EV 517424360 US

13146 U.S. PTO

101504

INVENTOR(S)		
Given Name (first and middle (if any))	Family Name or Surname	Residence (City and either State or Foreign Country)
HANG	ZHANG	NEPEAN, ONTARIO, CANADA
Additional inventors are being named on the <u>ONE</u> separately numbered sheets attached hereto		
TITLE OF THE INVENTION (500 characters max):		
MAC LAYER AND PHYSICAL LAYER SYSTEMS AND METHODS		
Direct all correspondence to: CORRESPONDENCE ADDRESS		
<input checked="" type="checkbox"/> The address corresponding to Customer Number:		00626
OR		
<input type="checkbox"/> Firm or Individual Name		
Address		
City	State	Zip
Country	Telephone	Fax
ENCLOSED APPLICATION PARTS (check all that apply)		
<input checked="" type="checkbox"/> Specification Number of Pages <u>160</u>		<input type="checkbox"/> CD(s), Number of CDs _____
<input type="checkbox"/> Drawing(s) Number of Sheets _____		<input type="checkbox"/> Other (specify) _____
<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT		
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		FILING FEE Amount (\$)
<input type="checkbox"/> A check or money order is enclosed to cover the filing fees.		160.00
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.		
<input checked="" type="checkbox"/> The Director is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: <u>14-1315</u> A duplicative copy of this form is enclosed for fee processing.		
<input type="checkbox"/> The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government. No.		
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are: _____		

SIGNATURE

Date October 15, 2004TYPED or PRINTED NAME Paul HashimREGISTRATION NO. 31.618TELEPHONE 942-684-7886

(if appropriate)

Docket Number: 17399ROUS01P**USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT**

This collection of information is required by 37 CFR 1.51. 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 take 8 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.

15535 U.S. PTO  
60/619461

101504

**PROVISIONAL APPLICATION COVER SHEET**  
Additional Page

PTO/SB/16 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.

First Named Inventor	HANG ZHANG	Docket Number	17399ROUS01P
INVENTOR(S)/APPLICANT(S)			Residence (City and either State or Foreign Country)
Given Name (first and middle (if any))	Family or Surname		
MO-HAN	FONG	L'ORIGINAL, ONTARIO, CANADA	
PEIYING	ZHU	KANATA, ONTARIO, CANADA	
WEN	TONG	OTTAWA, ONTARIO, CANADA	
JIANGLEI	MA	OTTAWA, ONTARIO, CANADA	

Number ONE of ONE

**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.

**PROVISIONAL PATENT APPLICATION**

**SUBMITTED ON OCTOBER 15, 2004**

**TITLE:**

**MAC LAYER AND PHYSICAL LAYER SYSTEMS AND METHODS**

**INVENTOR:**

**HANG ZHANG  
24 Gardengate Way  
Nepean, Ontario  
Canada  
K2G 5Z1**

**MO-HAN FONG  
1578 Bay Road  
L'Original, Ontario  
Canada  
K0B 1K0**

**PEIYING ZHU  
16 Pebble Creek Crescent  
Kanata, Ontario  
K2M 2L4**

**WEN TONG  
12 Whitestone Drive  
Ottawa, Ontario  
Canada  
K2C 4A7**

**JIANGLEI MA  
3 Bon Echo Crescent  
Ottawa, Ontario  
K2M 2W5**

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.