

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Terence Douglas Todd | 08/28/2006 |
| Amir Antoun Renne Sayegh | 08/28/2006 |
| Enrique J. Vargas | 08/23/2006 |
| RECEIVING PARTY DATA | |
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| City: | Hamilton, Ontario |
| State/Country: | CANADA |
| Postal Code: | L8S 4L8 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 11424927 |
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| ATTORNEY DOCKET NUMBER: | RIM055-02US |
| NAME OF SUBMITTER: | Miriam Paton |
| <p>Total Attachments: 3</p> <p>source=ASN_RIM055-02US_Signed_Todd-Sayegh-Vargas#page1.tif</p> <p>source=ASN_RIM055-02US_Signed_Todd-Sayegh-Vargas#page2.tif</p> | |

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PATENT
REEL: 019373 FRAME: 0541

WORLDWIDE

Agreement ID:

Tech ID:

PATENT ASSIGNMENT

WHEREAS, I/we **Terence Douglas TODD, Amir Antoun Renne SAYEGH and Enrique J. VARGAS**, residing at, respectively, 20 San Greco Drive, Hamilton, Ontario L9C 2B4 Canada, 704 – 145 Queen St. S., Hamilton, Ontario L8P 4R2 Canada and 2880 Carling Ave., Ottawa, Ontario K2B 7Z1 Canada (hereinafter the "Assignors") have invented certain new and useful improvements entitled **Power Management in a WLAN Infrastructure** (hereinafter referred to as the "Inventions"), disclosed in the **United States of America**, Patent Application No. **11/424,927**, filed on **June 19, 2006** (hereinafter referred to as the "Application");

AND WHEREAS, I/we am/are, respectively, a member of the teaching staff, student and student of **MCMASTER UNIVERSITY**, a university incorporated by act of the Legislature of the Province of Ontario, Canada (hereinafter referred to as the "Assignee") having a place of business at 1280 Main Street West, Hamilton, Ontario, Canada L8S 4L8;

AND WHEREAS, under the *Intellectual Property Policy* of McMaster University, the Assignee is the first owner of the Inventions and the Subject Patents and is desirous of taking a formal assignment of rights that the Assignor(s) has in the Inventions;

NOW, THEREFORE, IN CONSIDERATION of the sum of Two Dollars (\$2), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors do hereby sell, assign and transfer to the Assignee our entire right, title and interest, in all countries of the world, in and to the Inventions and in and to the Application and any other patent applications filed in any country of the world for any or all of the Inventions (including all priority rights derived from any of the foregoing) and any continuations or divisions of the Application or such other patent applications and any Letters Patent which may issue from any of the foregoing and any reissues or extensions thereof.

AND we hereby agree that, upon request and without further consideration, but at the expense of the Assignee, we will communicate to the Assignee, or its representative or nominees, any facts know to us respecting the Inventions and testify in any legal proceedings, sign all legal documents, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce any and all patent protections for the Inventions in all countries selected by the assignee and we further agree to execute any and all further documents which may be necessary or desirable to give effect to the provisions of this assignment.

AND we hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted for the Inventions in any and all countries of the world to the Assignee or, if so instructed, to its successors or assigns.

SIGNED AT Hamilton, Ontario, Canada on this 28th day of August, 2006.
(city, province, country)


Terence Douglas TODD

DECLARATION OF WITNESS

I, SEYED VAHID AZHARI whose full post office address is #1402-100 Bay St. South
Hamilton, ON L8P 3H3 Canada, hereby
declare that I was personally present and did see Terence Douglas TODD who is personally known
to me to be the person named in the above assignment duly sign and execute the same.

DECLARED AT Hamilton, Ontario, Canada on this 28 day of August, 2006.
(city, province, country)


(Signature of Witness)

SIGNED AT Hamilton, Ontario, Canada on this 28th day of August, 2006.
(city, province, country)


Amir Antoun Renne SAYEGH

DECLARATION OF WITNESS

I, SEYED VAHID AZHARI whose full post office address is #1402-100 Bay St. South
Hamilton, ON, Canada L8P 3H3, hereby
declare that I was personally present and did see Amir Antoun Renne SAYEGH who is personally known
to me to be the person named in the above assignment duly sign and execute the same.

DECLARED AT Hamilton, Ontario, Canada on this 28 day of August, 2006.
(city, province, country)


(Signature of Witness)

SIGNED AT OTTAWA, ONTARIO, CANADA on this 23 day of AUGUST, 2006.
(city, province, country)


Enrique J. VARGAS

DECLARATION OF WITNESS

I, APARNA SHANKER whose full post office address is 7307 CAMPEAU DR.,
APT. 104, OTTAWA, ON K2K 3H3, CANADA, hereby
declare that I was personally present and did see Enrique J. VARGAS who is personally known to
me to be the person named in the above assignment duly sign and execute the same.

DECLARED AT OTTAWA, ONTARIO, CANADA on this 23 day of AUGUST, 2006.
(city, province, country)

Aparna Shanker
(Signature of Witness)

SIGNED AT _____ on this _____ day of _____, 2006.
(city, province, country)

MCMASTER UNIVERSITY

Name: _____

Title: _____

DECLARATION OF WITNESS

I, _____ whose full post office address is _____
_____, hereby
declare that I was personally present and did see _____ of **MCMASTER UNIVERSITY**
who is personally known to me to be the person named in the above assignment duly sign and
execute the same.

DECLARED AT _____ on this _____ day of _____, 2006.
(city, province, country)

(Signature of Witness)