

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| National University of Singapore | 06/28/2004 |
| RECEIVING PARTY DATA | |
| Name: | Agency for Science, Technology and Research |
| Street Address: | 21 San Antonio |
| Internal Address: | #07-01 Centros |
| City: | Singapore |
| State/Country: | SINGAPORE |
| Postal Code: | 138668 |
| PROPERTY NUMBERS Total: 3 | |
| Property Type | Number |
| Application Number: | 09808716 |
| Application Number: | 09779200 |
| Application Number: | 10090370 |
| CORRESPONDENCE DATA | |
| Fax Number: | (949)640-6261 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 949-640-6261 |
| Email: | Inginsberg@aol.com |
| Correspondent Name: | Lawrence N. Ginsberg |
| Address Line 1: | 21 San Antonio |
| Address Line 4: | Newport Beach, CALIFORNIA 92660-9112 |
| NAME OF SUBMITTER: | Lawrence N. Ginsberg |
| Total Attachments: 2 | |
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| source=Assign - Nation to ASTR 1217.P007-8-12#page2.tif | |

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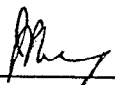
ASSIGNMENT

We, the undersigned assignor, National University of Singapore, at the address of 10 Kent Ridge Crescent, Singapore hereby confirm that we have assigned all our rights, title and interests in and to the patent grants and pending patent applications listed in Schedule 1 absolutely to the undersigned assignee, Agency for Science, Technology and Research, at the address of 20 Biopolis Way, #07-01 Centros, Singapore 138668, by way of an assignment dated 15 March 2004 and effective as of 1 April 2003.


This confirmatory assignment is for the purpose of recordation.


Dated this 28 day of June 2004

Assignor: National University of Singapore
(Print or type the name)

Signature: 
By: Professor Jacob Phang
Director, INTRO

Assignee: Agency for Science, Technology and Research
(Print or type the name)

Signature: 
By: Mr Suresan Sachi
Director, Legal


Certified True Copy

YOONG HSIUN LEE
SENIOR LEGAL COUNSEL
AGENCY FOR SCIENCE, TECHNOLOGY & RESEARCH

PATENT
REEL: 016338 FRAME: 0068

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|----|-------------------|--|----------|------------------|
| 30 | Invention Title : | Method & Apparatus for reducing peak to average power ratio in a multi-carrier modulation communication system | | |
| | Inventors : | Samir ATTALLAH, Karim ABED-MERAİM | | |
| | Assignee : | National University of Singapore | | |
| | a. | US Patent Application No. 09/779,200 | filed on | February 7, 2001 |
| | b. | PCT Patent Application No. PCT/SG02/00020 | filed on | February 5, 2002 |
| | c. | SG Patent Application No. 200304696-8 | filed on | August 6, 2003 |

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|----|-------------------|--|----------|----------------|
| 31 | Invention Title : | Method & Apparatus for reducing Peak to average Power Ratio in a multi-carrier modulation communication system | | |
| | Inventors : | Xian Bin WANG, Tjeng Thiang TJHUNG | | |
| | Assignee : | National University of Singapore | | |
| | a. | US Patent Application No. 09/808,716 | filed on | March 14, 2001 |

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|----|-------------------|--|----------|-------------------|
| 40 | Invention Title : | CDMA system with frequency domain equalization | | |
| | Inventors : | Ying Chang LIANG, A.S. MADHUKUMAR, Francois Po Shin CHIN | | |
| | Assignee : | National University of Singapore | | |
| | a. | US Patent Application No. 10/090,370 | filed on | March 4, 2002 |
| | b. | PCT Patent Application No. PCT/SG03/00031 | filed on | February 25, 2003 |