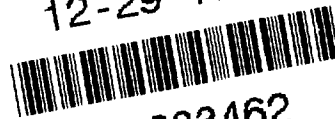


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To the Honorable Commissioner  
Please record the attached original

1. Name of conveying party(ies):  
B Behrouz Farhang-Boroujeny, Baoii wang and  
Mrityunjoy Chakraborty

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

Additional name(s) of conveying party(ies)  
attached  yes  no

Name: National University of Singapore

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other (describe):  
Execution Date:

Business Address:  
10 Kent Ridge Crescent  
Singapore 119260  
Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
 This document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s): 09/406,930

B. Patent No.(s)

12/22/1999 KZEMDIE 00000007 09406930  
02 FC:581  
40.00 DP

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:  
  
Patrick W. Hughey  
ipsolon llp  
4370 NE Halsey Street  
Portland Oregon 97213

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41): \$ 40.00  
 Enclosed  
 Any deficiencies are authorized to be charged to  
deposit account.

8. Deposit account number: 50-0241  
(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true  
copy of the original document.*

Name: Patrick W. Hughey, Reg. No. 31,189

Date: December 14, 1999

Total number of pages including cover sheet: 3

ASSIGNMENT OF APPLICATION

Attorney Ref. No 1085-010

Whereas, We, Behrouz Farhang-Boroujehy of #10-03, Block 111C, Kent Vale, Clementi Road, Singapore 129792, Baoli Wang of #11-26, Block 310, Clementi Ave 4, Singapore 120310 and Mityunjoy Chakraborty of #06-132, Block 304, Jurong East Street 32, Singapore 600304, hereafter referred to as Assignors, have invented certain new and useful improvements entitled:

A Method of Designing an Equaliser

for which an application for a United States Patent was filed on September 28, 1999 and has been assigned Application Number 09/406,930.

Whereas, National University of Singapore, herein referred to as "Assignee" and whose post office address is 10 Kent Ridge Crescent, Singapore 119260 desires to acquire the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, Assignors, hereby sell, assign and transfer to the Assignee, the full and exclusive right, title and interest in and to said invention, patent application, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute related US patent application(s), international applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Assignee for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent(s) may be granted in this or any foreign country, as fully and entirely as the same would have been held by Assignors had this assignment and sale not been made, and covenant that We have full right so to do, and agree that we will communicate to Assignee, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Assignee, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed this 4th day of Nov., 1999, at Singapore CITY, STATE or PROVINCE

Behrouz Farhang-Boroujehy: [Signature] SIGNATURE

Witness: G. KARUNASIRI NAME, D. H. LAWRENCE SIGNATURE, 4/11/99 DATE

Executed this 16th day of Nov., 1999, at Holmdel, NJ, USA CITY, STATE or PROVINCE

Baoli Wang: [Signature] SIGNATURE

Witness: B. BARAZESH NAME, B. Barazesh SIGNATURE, 11/16/99 DATE

Executed this 7<sup>th</sup> day of December, 1999, at KIT KHARAPUR-721302, W.B.  
CITY, STATE or PROVINCE  
INDIA

Mrityunjay Chakraborty:

[Signature]  
SIGNATURE

Witness:

ANINDYA SUNDAR JHAJ  
NAME

[Signature]  
SIGNATURE

Dec. 7, 1999  
DATE