To the Honorable Commissioner

101119567

...ached original documents or copy thereof.

1. Name of conveying party(ies):

Dimitre Gueorguiev Karamanev and Argyrios Margaritis

...nd address of receiving party(ies):

Name: University of Western Ontario

Internal Address: Industry Liaison Office

Room 319

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

3. Nature of Conveyance:

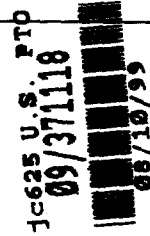   X   Assignment   Merger

       Security Agreement   Change of Name

       Other

Execution Date:

Neo 8/10/99

Street Address: : Steven-Lawson Building

City: London   Prov. Ont.: Postal code N6A 5B8,

Canada

Additional name(s) & address(es) attached?   Yes   No. X

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

If this document is being filed together with a new application, the execution date of the application is:

   A. Patent Application No.(s)   B. Patent No.(s)   **09/371118**

Additional numbers attached?   Yes   X No

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

Name: C.A.Rowley

Internal Address: Box 59,

Street Address: 51 Riverside Parkway,

Frankford Ontario,

Canada K0K 2C0

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) $ 40.00

     Enclosed

   X   Authorized to be changed to deposit account

8. Deposit account number: 18-2150

(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.

C.A.Rowley

Name of Person Signing   Signature   Date

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ASSIGNMENT

WHEREAS I, **Dimitre Gueorguiev Karamanev and, I, Argyrios Margaritis** whose full post office address respectively is 62 Finsbury Cr., London Ontario, Canada N6G 2B4 and 30 Rollingwood Circle, London, Ontario, Canada N6G 1P7 have invented certain improvements in
Immobilized Bioreactor System for Sulphidic Minerals and Other Particulate Solids
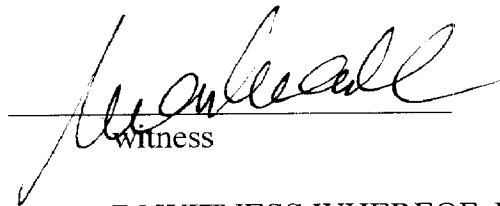for which I have executed an application for United States Letters Patent on _____ 1999:
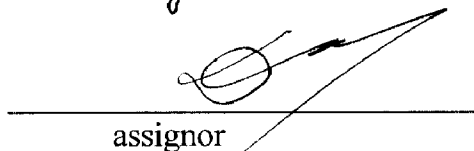and _____ 1999 respectively, and
WHEREAS, **The University of Western Ontario** whose full post office address is **Room 319, Stevenson-Lawson Building, London, Ontario, Canada N6A 5B8** (herinafter referred to as ASSIGNEE) is desirous of acquiring an interest therein:

NOW THEREFORE, in consideration of the sum of One Dollar Canadian and other good and valuable considerations paid by the ASSIGNEE, the receipt and sufficiency whereof is hereby acknowledged, I by these presence do hereby sell, assign, transfer and convey unto the ASSIGNEE its successors and assigns, the entire right, title and interest for the territory of the United States of America, and for all other countries, in and to said application and in and to any invention therein set forth and in and to any patent which may issue on the said application or on any division or continuation thereof, or which may issue on any other application filed in the United States of America, or any other country, covering any invention disclosed in the above specified application, or any reissue, extension and renewal of any such Patent; and I hereby bind myself, my heirs, legal representatives, administrators and assigns to sign, execute and deliver, without further consideration, other than reimbursement of expenses incurred thereby, any and all papers and instruments which may be necessary for the prosecution of the application or applications aforesaid and/or all papers and instruments which may be necessary to carry into full force and effect the sale, assignment and transfer hereby made or intended to be made.
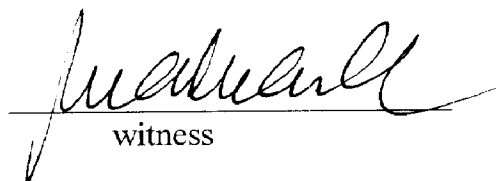
ACCORDINGLY, I do hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all the said patents to the ASSIGNEE in accordance with this assignment.
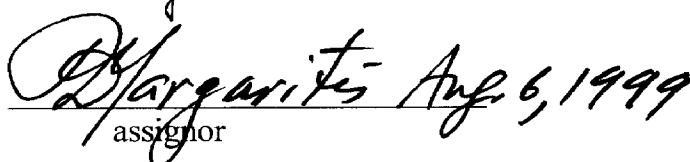
IN WITNESS WHEREOF, I have hereunto set my hand
at _London_ Canada, this __6th__ day of _August_ 1999.

_____   _____
witness   assignor

IN WITNESS WHEREOF, I have hereunto set my hand
at _London_ Canada, this __6th__ day of _August_ 1999.

_____   _____
witness   assignor