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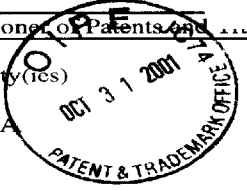
To the Honorable Commissioner of Patents and Trademarks, Patent and Trademark Office, Washington, D.C. 20503, original documents or copy thereof.

1. Name of conveying party(ies)
MICHELLE ALFA

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

3. Nature of conveyance:
 Assignment ___ Merger
___ Security Agreement ___ Change of Name
Other _____

Execution Date: September 20, 2001



10/31/01

2. Name and address of receiving party(ies):
Name: **UNIVERSITY OF MANITOBA**
Internal Address: _____
Street Address: 631 Drake Centre
City: Winnipeg State: Manitoba
ZIP: R3T 2N2 Country: Canada
Additional names/addresses attached? Yes ___ No

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

A. Patent Application No.(s) **09/762,288**

B. Patent No.(s)
Additional numbers attached? Yes ___ No

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

Name: **Micheline Gravelle**
Internal Address: c/o Bereskin & Parr
Street Address: **Box 401, 40 King Street West**
City: **Toronto** State: **Ontario** ZIP: **M5H 3Y2**
Country: **Canada**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) **\$40.00**
 Enclosed in cheque No. _____
___ Authorized to be charged to deposit account

8. Deposit account number: _____
 The Commissioner is authorized to charge any deficiency in fee or credit any overpayment to our Deposit Account No. 02-2095.

11/02/2001 AMNHED1 00000014 09762288
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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.

Micheline Gravelle
Name of Person Signing
BP File # 9157-20

M Gravelle
Signature

October 30, 2001
Date

Total number of pages comprising cover sheet: 3

OMD No. 0651 0011 (exp. 4/94)

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ASSIGNMENT

WHEREAS I, Dr. Michelle Alfa, a citizen of Canada, residing at 5735 MENCARELLI DR.
WINDSOR,
ONTARIO, have invented *Artificial Test Soil* for which invention the University of Manitoba has executed an application for Letters Patent of the United States of America as defined in U.S. Patent Application No. 09/762,288 on May 25, 2001;

AND WHEREAS, I verily believe myself to be the original, first and sole inventor set forth in said application for Letters Patent;

AND WHEREAS, The University of Manitoba, an Institution of Higher Learning established under the laws of the Province of Manitoba, sometimes referred to as "said assignee", having a place of business at Winnipeg, Manitoba, Canada, R3T 2N2, is desirous of acquiring the entire and exclusive right, title and interest in and to said invention, any and all patent applications which may be filed thereon and any and all Letters Patent which may be granted or issued thereon in the United States and throughout the world, including any and all divisions, continuations, reissues and extension of any of the foregoing.


NOW THEREFORE in consideration of the sum of FIVE (\$5.00) DOLLARS, to me in hand paid by the University of Manitoba, and other good and valuable consideration, receipt of which is hereby acknowledged, I, the said Dr. Michelle Alfa have sold, assigned, transferred and set over and do hereby sell, assign, transfer and set over unto the said assignee, its successors and assigns, the entire and exclusive right, title and interest in and to said invention, patent applications and Letters Patent which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof and all international priority rights associated therewith all to be held by me had this assignment not been made and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and the duly constituted authorities of all foreign countries of the world to issue all Letters Patent relating to the foregoing rights to said assignee, its successors and assigns;

I HEREBY represent and warrant that I have not granted any rights inconsistent with the rights granted herein;


AND I FURTHER AGREE that I, Dr. Michelle Alfa, will promptly, upon request and without further compensation, do all lawful acts including the execution of all necessary documents and the giving of testimony that in the opinion of the said assignee, its successors and assigns, may be necessary or desirable for obtaining, sustaining or reissuing United States and foreign Letters Patent relating to the foregoing assigned rights and for perfecting, affirming, recording and maintaining the title of said assignee, its successors and assigns, thereto and that I will generally cooperate to the fullest extent in all matters pertaining to said invention and patents and said assignee's title thereto.

This assignment is subject to the Assignment Agreement executed between the parties dated September 29, 1998.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date set out below.



Witness *Radita Nemes*

Michelle J. Alfa 

Dr. Michelle Alfa

Date: *Sept. 20, 2001*

Date: *Sept. 20, 2001*
