



12-30-1999

Substitute Form PTO-1595  
Attorney Docket No.: 10851-003001

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Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).

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|--|--|--|-------------------------|
| 1. Name of conveying party(ies):<br><b>Garry J. Handelman</b><br>Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  | 2. Name and address of receiving party(ies):<br><b>Tufts University</b><br><b>136 Harrison Avenue</b><br><b>Boston, MA 02111</b>                           |                         |
| 3. Nature of conveyance:<br><input checked="" type="checkbox"/> Assignment<br><input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement<br><input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other:<br>Execution Date: <b>12/09/1999</b>                            |  | Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br><b>12-20-99</b>                            |                         |
| 4. Application number(s) or patent number(s):<br>If this document is being filed with a new application, the execution date of the application is:<br>A. Patent Application No(s):<br>B. Patent No(s):<br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |  |                         |
| 5. Name/address of party to whom correspondence concerning document should be mailed:<br><b>Ingrid A. Beattie, Ph.D., J.D.</b><br><b>Fish &amp; Richardson P.C.</b><br><b>225 Franklin Street</b><br><b>Boston, MA 02110-2804</b>  |  | 6. Total number of applications/patents involved: <b>1</b>   |                         |
|  |  | 7. Total fee (37 CFR §3.41): <b>\$40</b><br><input checked="" type="checkbox"/> Enclosed<br><input type="checkbox"/> Authorized to charge Deposit Account. |                         |
|  |  | 8. Deposit Account No.: <b>06-1050</b><br>Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.                         |                         |
| <b>DO NOT USE THIS SPACE</b>   |  |  |                         |
| 9. Statement and Signature: <i>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.</i>  |  |  |                         |
| Ingrid A. Beattie, Ph.D., J.D.<br>Reg. No. 42,307<br>Name of Person Signing  |  | <br>Signature  | <b>12/13/99</b><br>Date |
| Total number of pages including coversheet, attachments and document: <b>pages</b>   |  |  |                         |

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**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

12/13/99 Date of Deposit       Signature      LISA Robillard Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, I, Garry J. Handelman, of Boston, Massachusetts hereby assign to Tufts University, a Massachusetts corporation having a place of business at 136 Harrison Avenue, Boston, Massachusetts 02111 and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world, including, without limitation, the right to sue for past infringement, in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled USE OF THE EGG YOLK LIPID MATRIX TO PROVIDE FOR THE BIOAVAILABILITY OF THE CAROTENOIDS LUTEIN AND ZEAXANTHIN, filed December 12, 1998, and assigned U.S. Serial Number 09/210,468 and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lowell, MASSACHUSETTS, this 9<sup>th</sup> day of DECEMBER, 1999

Garry J. Handelman L.S.  
GARRY J. HANDELMAN

STATE OF MASSACHUSETTS:  
:SS.  
COUNTY OF MIDDLESEX:

Before me this 9<sup>th</sup> day of DECEMBER, 1999, personally appeared

GARRY J. HANDELMAN known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Anthony De Simone  
WITNESS

12/9/99  
DATE

Susan Bells  
WITNESS

12/9/99  
DATE