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1. Total number of pages including cover sheet, attachments and document: Three**2. Name of Conveying Party(ies) and Execution Date(s) of Document(s)** ☐ Check here if additional name(s) attached

Name(s): Zvi Ram

Execution Date(s): February 12, 1997

3. Name and address of receiving party☐ Check here if additional name(s) & address(es) are attached

Name THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES

Address National Institutes of Health
Office of Technology Transfer, Suite 325
6011 Executive Boulevard

City Rockville

State/Country MD

Zip 20852

4. Nature of Conveyance☒ Assignment ☐ Merger ☐ Security Agreement ☐ Name Change ☐ Other:**5. Total number of applications and patents involved:** One**6. Total Fee Enclosed (37 C.F.R. § 3.41):** \$40.00**7. ☒ Check here if any deficiency/overpayment is authorized to be charged to deposit account 02-4550****8. Enter either the Execution date (of the Declaration and Power of Attorney), Application Number, or the Patent Number. Do not enter more than one number for the same patent.**A. ☐ This document is being filed with a new application. Execution date is: _____B. ☒ Patent Application No.(s) or Patent No.(s): 09/212,165 filed December 15, 1998☐ Check here if additional numbers are attached**9. Correspondent's name, address, and telephone number**Susan Alpert Siegel, Ph.D.
Klarquist Sparkman, LLP
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Telephone: 503-226-7391OFFICE OF PATENT RECORDS
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FINANCE SECTION**10. ☒ Please return the attached postcard to confirm that these items have been received.****11. 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.*

Susan Alpert Siegel, Ph.D.

Name of Person Signing

Signature

October 8, 2003

Date

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cc: Client
Docketing

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of the undersigned, Zvi Ram of 29 Tagor Street, Ramat Aviv, Tel Aviv 69203 Israel, hereby sells, assigns and transfers to GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by Secretary, Department of Health and Human Services ("Assignee") having a place of business at 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852, U.S.A., its successors, assigns and legal representatives, his entire right, title and interest for the United States and all other countries, in and to the improvements(s) known as:

DELIVERY OF THERAPEUTIC AGENTS BY GENE THERAPY

also known as United States Application Serial No. 08/371,530, filed January 17, 1995, and is entitled:

DELIVERY OF THERAPEUTIC AGENTS BY GENE THERAPY

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other countries on any of said improvements, and in and to all original and reissued patents which have been or shall be issued in the United States and all other countries on said improvements (hereinafter collectively, the "Patent Rights").

The undersigned further agrees that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and, when requested, without charge to but at the expense of Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on all such improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives all facts known to the undersigned relating to said improvements and the history thereof; and do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patent and all patents on said improvements in Assignee, its successors, assigns and representatives.

The undersigned hereby represents and warrants to Assignee, its successors, assigns and representatives that no assignment, grant, mortgage, license or other right or agreement affecting the rights and property herein conveyed has been made to others by the undersigned and that full right to convey the same as expressed herein is possessed by the undersigned.

The undersigned hereby grants power to John N. Bain (Reg. No. 18,651); John G. Gilfillan, III (Reg. No. 22,746); Elliot M. Olstein (Reg. No. 24,025); Raymond J. Lillie (Reg. No. 31,778); Charles J. Herron (Reg. No. 28,019); and William Squire (Reg. No. 25,378) and J.G. Mullins (Reg. No. 33,073) to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document. Address correspondence and telephone calls to Charles J. Herron c/o of Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein, 6 Becker Farm Road, Roseland, New Jersey 07068

IN WITNESS WHEREOF, this Assignment is executed by the undersigned on the date(s) opposite their signature(s):

Inventor's Signature: _____

Zvi Ram

Date: Dec 29, 1996

STATE OF ISRAEL COUNTY OF _____ SS.:

Before me this _____ day of _____, 1996 personally appeared the above named individual(s), to me known to be the person(s) who are described in and who executed the foregoing assignment instrument and acknowledged to me that they executed the same of their own free will for the purpose therein expressed.

Notary Public

CARELLA, BYRNE, BAIN, GILFILLAN, CECCHI, STEWART & OLSTEIN
6 Becker Farm Road - Roseland, NJ 07068 - (201) 994-1700

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