WDN/\$AS:jam 12/30/04 E-120-2003/1-PCT-02 339550

Atty. Ref. No. 4239-66179-02

RECORDATION FORM COVER SHEET - PATENTS ONLY	
VIA FACSIMILE (703) 306-5995	
DIRECTOR FOR PATENTS	
PO BOX 1450 ALEXANDRIA, VA 22313-1450	
1. Total number of pages including cover sheet, attachments and document: Thirteen (13)	, <u>.</u>
	itional name(s) attached
Name(s): Warren J. Leonard, Peter Lipsky, Herbert C. Morse III, Catherine Rachel Etti	nger, Rosanne
Spolski	
Execution Date(s): November 17, 2004, respectively	
3. Name and address of receiving party Check here if additional name(s) &	
Name The Government of the United States of America as represented by the Secretary of Health and Human Services	of the Department
Address National Institutes of Health Office of Technology Transfer, Suite 325 6011 Executive Boulevard	
City Rockville State/Country MD Zip 20	0852
4. Nature of Conveyance Assignment Merger Security Agreement Name Change Oth	er:
5. Total number of applications and patents involved: One (1)	
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 ac	
8. Enter either the Execution date (of the Declaration and Power of Attorney), Application 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): PCT/US2004/039135 Check here if additional numbers are attached	n Number, or the
9. Correspondent's name, address, and telephone number	
Susan Alpert Siegel, Ph.D.	
Klarquist Sparkman, LLP	
One World Trade Center, Suite 1600	Ì
121 S.W. Salmon Street	
Portland, Oregon 97204-2988	
Telephone: 503-226-7391 Facsimile: 503-228-9446	
	·4
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	
11. Statement and signature To the best of my knowledge and belief, the foregoing informat correct and any attached topy is a true copy of the original do	cument.
Susan Alpert Siegel, Ph.D. De	cember 30, 2004
Name of Person Signing Signature	Date

cc: Client
Docketing
Accounting (only if via fax)
NIH Paralegal

700142137

ASSIGNMENT

We, Warren J. Leonard, of Bethesda, Maryland, a citizen of the United States of America, Peter Lipsky, of Rockville, Maryland, a citizen of the United States of America, Herbert C. Morse III, of Rockville, Maryland, a citizen of the United States of America, Catherine Rachel Ettinger, of Bethesda, Maryland, a citizen of the United States of America and Rosanne Spolski, of Ellicott City, Maryland, a citizen of the United States of America, have invented a certain invention entitled METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/523,754, filed on November 19, 2003; PCT Application, Attorney Docket No. 4239-66179-02

all of which applications are collectively referred to herein as "the patent applications."

We were employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations under Executive Order 10096, and other valuable consideration, we the undersigned, have sold, assigned, and transferred and do sell, assign, and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services (hereinafter THE GOVERNMENT), and successors and assigns, the full and exclusive right, title, and interest in the patent applications and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent applications as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to THE GOVERNMENT as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

We also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to us respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid THE GOVERNMENT and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We have authorized THE GOVERNMENT to file and prosecute the patent applications, as well as any corresponding international or national applications that claim priority from them. THE GOVERNMENT has the right to select attorneys or agents of its choice to prosecute at its discretion the patent applications on its behalf.

ASSIGNMENT - Page 1 of 4

We grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

STATE OF <u>MARY land</u>		
	•	55.

COUNTY OF ITOMES

This 17 day of November , 2004, before me personally came the above-named Warren J. Leonard, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

[SEAL] = 1	Notary Public for // ////// My commission expires: Aynalem Tadesse NOTARY PUBLIC Montgomery County, Maryland My Commission Expires 1/31/07
Dated:	Peter Lipsky
STATE OF) ss. COUNTY OF)	
Lipsky, who executed the foregoing	, 2004, before me personally came the above-named Peter Assignment in my presence, and who acknowledged to me that it on free will for the purposes set forth therein.
	Notary Public for
[SEAL]	My commission expires:

ASSIGNMENT - Page 2 of 4

Dated:	
	Herbert C. Morse III
STATE OF)	
COUNTY OF) ss.	
This day of, 2 Morse III, who executed the foregoing As was executed under that person's own fre	2004, before me personally came the above-named Herbert C. ssignment in my presence, and who acknowledged to me that it see will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	
Dated:	Catherine Rachel Ettinger
STATE OF)	
) ss. COUNTY OF)	
Rachel Ettinger, who executed the forego	2004, before me personally came the above-named Catherine bing Assignment in my presence, and who acknowledged to me own free will for the purposes set forth therein.
	Notary Public for
	My commission expires:
[SEAL]	

ASSIGNMENT - Page 3 of 4

This /2 day of Moulembon, 2004, before me personally came the above-named Rosanne Spolski, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

Notary Public for _

AUH Ayralem Tadesse My commission expires: Montgomery County, Maryland

My Commission Expires 1/31/07

ASSIGNMENT - Page 4 of 4

ASSIGNMENT

We, Warren J. Leonard, of Bethesda, Maryland, a citizen of the United States of America, Peter Lipsky, of Rockville, Maryland, a citizen of the United States of America, Herbert C. Morse III, of Rockville, Maryland, a citizen of the United States of America, Catherine Rachel Ettinger, of Bethesda, Maryland, a citizen of the United States of America and Rosanne Spolski, of Ellicott City, Maryland, a citizen of the United States of America, have invented a certain invention entitled METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION for which the following patent applications have been filed:

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ASSIGNMENT - Page 1 of 4

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Pated	
Dated:	Warren J. Leonard
STATE OF) ss. COUNTY OF)	
This day of, 200. Leonard, who executed the foregoing Assign was executed under that person's own free v	4, before me personally came the above-named Warren J. mment in my presence, and who acknowledged to me that it will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	
Dated:	Peter Lipsky
STATE OF Maryland) ss.	
This 1 day of November, 200 Lipsky, who executed the foregoing Assign was executed under that person's own free	04, before me personally came the above-named Peter ment in my presence, and who acknowledged to me that it will for the purposes set forth therein.
	Notary Public for Montgomery Co., Maryland My commission expires: Feb. 1, 2004
TREATI	

ASSIGNMENT - Page 2 of 4

WDN/\$A\$:amt 4239-66179-02 E-120-2003/1-PCT-02 11/10/04 Dated: Herbert C. Morse III STATE OF COUNTY OF _ _____, 2004, before me personally came the above-named Herbert C. Morse III, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein. Notary Public for _ My commission expires: [SEAL] Catherine Rachel Ettinger COUNTY OF This 17 day of Nowe meeting, 2004, before me personally came the above-named Catherine Rachel Ettinger, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein. Notary Public for Montgomery Co. Maryland My commission expires:

[SEAL)

ASSIGNMENT - Page 3 of 4

Feb 1, 2005

WDN/SAS:amt 4239-66179-02 E-120-2003/1-PCT-02 11/10/04	
Dated:	Rosanne Spolski
STATE OF) ss. COUNTY OF)	
COUNTY OF)	
This day of, 2004, b Spolski, who executed the foregoing Assignment was executed under that person's own free will	efore me personally came the above-named Rosanne at in my presence, and who acknowledged to me that it for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	

ASSIGNMENT - Page 4 of 4

ASSIGNMENT

We, Warren J. Leonard, of Bethesda, Maryland, a citizen of the United States of America, Peter Lipsky, of Rockville, Maryland, a citizen of the United States of America, Herbert C. Morse III, of Rockville, Maryland, a citizen of the United States of America, Catherine Rachel Ettinger, of Bethesda, Maryland, a citizen of the United States of America and Rosanne Spolski, of Ellicott City, Maryland, a citizen of the United States of America, have invented a certain invention entitled METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL DIFFERENTIATION for which the following patent applications have been filed:

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated:	Warren J. Leonard
STATE OF) ss. COUNTY OF) ss. This day of, 20 Leonard, who executed the foregoing Ass was executed under that person's own free	004, before me personally came the above-named Warren J. ignment in my presence, and who acknowledged to me that it e will for the purposes set forth therein.
	Notary Public for
[SEAL]	
Dated:	Peter Lipsky
STATE OF) ss. COUNTY OF)	
Transport of the foregoing ASS	2004, before me personally came the above-named Peter eignment in my presence, and who acknowledged to me that it ree will for the purposes set forth therein.
[SEAL]	Notary Public for My commission expires:
L— —- <i>-</i> —- J	

ASSIGNMENT - Page 2 of 4

VDN/SAS:amt 4239-66179-02 E-120-2003/1-PCT-02 11/10/04	
Dated: Movembu 17,2004	Herbert C. Morse III
STATE OF Maryland) ss.	
This 17 Hour of 7 Orlender, 2004	, before me personally came the above-named Herbert C. ament in my presence, and who acknowledged to me that it ill for the purposes set forth therein.
-(SFAEL 9 /s =	Margout Tomerah Nothery Public for Montgoney Overty My commission expires: March 1,2007
Dated:	Catherine Rachel Ettinger
	Camelino Rachot Essaign
STATE OF) ss.	
COUNTY OF)	
This day of, 200 Rachel Ettinger, who executed the foregoing that it was executed under that person's own	4, before me personally came the above-named Catherine g Assignment in my presence, and who acknowledged to π in free will for the purposes set forth therein.
	Notary Public for My commission expires:

ASSIGNMENT - Page 3 of 4

WDN/SAS:amt 4239-66179-02 E-120-2003/3-PCT-02 11/19/04	
Dated:	Rosanne Spolski
STATE OF) , ss.	
COUNTY OF)	
This day of, 2004, Spolski, who executed the foregoing Assignm was executed under that person's own free will	before me personally came the above-named Rosanne tent in my presence, and who acknowledged to me that it lift for the purposes set forth therein.
	Notary Public for
	My commission expires:
[SEAL]	

ASSIGNMENT - Page 4 of 4