RECORDATION FORM COVER SHE MAIL STOP ASSIGNMENT RECORDATION SERVICES	05-05-2004
DIRECTOR FOR PATENTS PO BOX 1450 5.3-64	
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1. Total number of pages including cover sheet, attachments and	- - ,
2. Name of Conveying Party(ies) and Execution Date(s) of Docum	
Name(s): (1) Dennis M. Klinman, (2) Rainald Zeuner, (3) Dan	• • •
(3) Mayda Gursel	
Execution Date(s): (1) February 19, 2004; (2) April 8, 2004; and	
Name and address of receiving party Name The Government of the United States of America as reprof the Health and Human Services	heck here if additional name(s) & address(es) are attached resented by the Secretary of the Department
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. Mark here if any deficiency/overpayment is authorized to be	pe charged to deposit account 02-4550
8. Enter either the Execution date (of the Declaration and Power of Patent Number. Do not enter more than one number for the satisfied. A. This document is being filed with a new application. Execute B. Patent Application No.(s) or Patent No.(s):	

PATENT REEL: 015285 FRAME: 0249

ASSIGNMENT

We, Dennis M. Klinman, of 2 Candlelight Court, Potomac, MD, 20854, a citizen of the United States of America, Rainald Zeuner, of Beseleralle 52, 24105 Kiel, Germany, a citizen of Germany, Daniela Verthelyi, of 11615 Regency Drive, Potomac, MD, 20854, a citizen of the United States of America, Ihsan Gursel, of 259 Congressional Lane, No. 508, Rockville, MD, 20852, a citizen of Turkey, and Mayda Gursel, of 259 Congressional Lane, No. 508, Rockville, MD, 20852, a citizen of Turkey, have invented a certain invention entitled METHOD FOR TREATING INFLAMMATORY ARTHROPATHIES WITH SUPPRESSORS OF CPG OLIGONUCLEOTIDES for which the following patent applications have been filed:

U.S. Provisional Patent Application No. 60/400,826, filed on August 1, 2002; U.S. Provisional Patent Application No. 60/401,631, filed on August 6, 2002; and PCT Application No. PCT/US2003/024205 filed on July 31, 2003;

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.

ASSIGNMENT - Page 1 of 4

Dated: Fd 1904

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.

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 Mary land) ss. COUNTY OF Montgomery This 19 day of February, 2004 M. Klinman, who executed the foregoing Assign that it was executed under that person's own free	, before me personally came the above-named Dennis ment in my presence, and who acknowledged to me will for the purposes set forth therein.
	Notary Public for NIHFCG My commission expires:
[SEAL]	Aynalem Tadesse NOTARY PUBLIC Montgomery County, Maryland Vy Commission Expires 1/31/07
Dated:	Rainald Zeuner
Witnessed by	
Name (Print)	
Date	
Witnessed by	
Name (Print)	
Date	

ASSIGNMENT - Page 2 of 4

Dated: 2/26/04	Daniela Verthelyi
STATE OF Manyland ss.	
This 26day of 6 buren, 3001 Verthelyi, who executed the foregoing Assignm was executed under that person's own free will	, before me personally came the above-named Daniela nent in my presence, and who acknowledged to me that it for the purposes set forth therein.
	Notary Public for N±H Federal Crediture My commission expires: July 7. 2005
SEAL]	MY Commission Emires JULY 7. 2005
Dated: 2 26 04	Insan Gursel
STATE OF Mantgum) ss.	
This <u>Quades</u> of <u>feburage</u> , <u>2009</u> Gursel, who executed the foregoing Assignment was executed under that person's own free will	d, before me personally came the above-named Ihsan in my presence, and who acknowledged to me that it for the purposes set forth therein.
	Notary Public for Jay 7, 2005 (NTH FCU) My commission expires: Juy 7, 2005
SEAL]	MOTARY PUBLIC STATE OF MARYLAND My Commission Expires 14 47, 2005

ASSIGNMENT - Page 3 of 4

[SEAL]

Dated: 2/26/04	M. GURSEL
·	Mayda Gursel
county of Mantin	
This Waday of Geburgy, July 4	, before me personally came the above-named Mayda in my presence, and who acknowledged to me that it
vas executed under that person s own nee will to	
	Notary Public for NIA Feller Creenter
SEAL]	Notary Public for NIA Felluer Al Creedition My commission expires: Sury 7.000 MOTARY PUBLIC STATE OF JUNE 7.000

WDN/SAS:gte 4239-66339 E-154-2002/0-PCT-02 02/10/04

ASSIGNMENT

We, Dennis M. Klinman, of 2 Candlelight Court, Potomac, MD, 20854, a citizen of the United States of America, Rainald Zeuner, of Beseleralle 52, 24105 Kiel, Germany, a citizen of Germany, Daniela Verthelyi, of 11615 Regency Drive, Potomac, MD, 20854, a citizen of the United States of America, Ihsan Gursel, of 259 Congressional Lane, No. 508, Rockville, MD, 20852, a citizen of Turkey, and Mayda Gursel, of 259 Congressional Lane, No. 508, Rockville, MD, 20852, a citizen of Turkey, have invented a certain invention entitled METHOD FOR TREATING INFLAMMATORY ARTHROPATHIES WITH SUPPRESSORS OF CPG OLIGONUCLEOTIDES for which the following patent applications have been filed:

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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.

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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.

ASSIGNMENT - Page 1 of 4

PATENT REEL: 015285 FRAME: 0254 WDN/SAS:gte 14239-66339 E-154-2002/0-PCT-02 02/10/04

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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.

Dated:	
	Dennis M. Klinman
STATE OF) ss.	
COUNTY OF) ss.	
This day of,,	, before me personally came the above-named Den
M. Klinman, who executed the foregoing Assign that it was executed under that person's own fre	nment in my presence, and who acknowledged to me
nat it was executed under that person's own he	e will for the purposes set forth morem.
	Notary Public for
	My commission expires:
[SEAL]	
1182	
Dated: You Coox	- Chron
	Rainald Zeuner
Witnessed by Jolian & Runit	
Name (Print) JCHANN C. SCHRCD	-r ER
Date MIEL, April 8, 2014	
	-
V. Ka	
Witnessed by	_
) / O /	
Name (Print) ROBERT SCHOCKI Date Will April 8 2004	_

ASSIGNMENT - Page 2 of 4

WDN/SAS:gtc 4239-66339 E-154-2002/0-PCT-02 02/10/04

Dated:	Daniela Verthelyi
STATE OF) ss.	
) ss. COUNTY OF)	
Verthelyi, who executed the foregoing.	,, before me personally came the above-named Daniela Assignment in my presence, and who acknowledged to me that it free will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	
Dated:	Ihsan Gursel
STATE OF) ss. COUNTY OF)	
This day of Gursel, who executed the foregoing As was executed under that person's own	,, before me personally came the above-named Ihsan ssignment in my presence, and who acknowledged to me that it free will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	

ASSIGNMENT - Page 3 of 4

WUN/SAS:gtc 4239-06339 E-154-2002/0-PCT-02 02/10/04

Dated:		Mayda Gursel
		Winyda Guisci
STATE OF)	
COUNTY OF) ss.	
COI NITY OF	1	
CODIVITOR	<i>'</i>	
		, before me personally came the above-named Mayda
This day of Gursel, who executed the	foregoing Assig	nment in my presence, and who acknowledged to me that it
This day of Gursel, who executed the	foregoing Assig	, before me personally came the above-named Mayda ment in my presence, and who acknowledged to me that it will for the purposes set forth therein.
This day of Gursel, who executed the	foregoing Assig	nment in my presence, and who acknowledged to me that it
This day of Gursel, who executed the	foregoing Assig	nment in my presence, and who acknowledged to me that it
This day of Gursel, who executed the	foregoing Assig	nment in my presence, and who acknowledged to me that it

ASSIGNMENT - Page 4 of 4

PATENT REEL: 015285 FRAME: 0257