WDN/SAS:lhs 1/31/05 E-154-2002-0-US-03

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PO BOX 1450				
ALEXANDRIA, VA 2	22313-1450			
1. Total number of p	pages including cover sl	neet, attachments a	and document: N	ine
2. Name of Conveying	ng Party(ies) and Execu	tion Date(s) of Do	cument(s) 🗆 c	heck here if additional name(s) attached
Name(s): (1) I	Dennis M. Klinman; (2)	Rainald Zeuner; (3)	Daniela Verthely	i; (4) Ihsan Gursel: and
	Mayda Gursel	, , ,		, (,
Execution Dat	e(s): (1) 02/19/2004; (2)	04/08/2004; (3) 02/	/26/2004; (4) 02/2	6/2004; (5) 02/26/2004
3. Name and address				onal name(s) & address(es) are attached
	01			cretary of the Department of
	and Human Services, The		oscillor by the be	really of the Department of
Address Nationa	l Institutes of Health			
Office o	of Technology Transfer,	Suite 325		
6011 Ex	ecutive Boulevard			
City Rockvill	le State/O	Country MD		Zip 20852
4. Nature of Conveys				•
Assignment		rity Agreement	☐ Name Change	Other:
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	pplications and patents			
6. Total Fee Enclosed	d (37 C.F.R. § 3.41): \$4	40.00		
7. Check here if a	ny deficiency/overpay	ment is authorized	to be charged to	deposit account 02-4550
8. Enter either the Ex	xecution date (of the De	eclaration and Pow	er of Attorney),	Application Number, or the
Patent Number. D	o not enter more than	one number for the	e same patent.	••
	nent is being filed with a			(1) 08/28/2003;
(2) 08/26/2003; (3)	08/28/2003; (4) 08/28/2	2003; (5) 08/28/2003	3	
B. Patent Appl	lication No.(s) or Patent	No.(s):		
Check here if ad	lditional numbers are attached			
9. Correspondent's n	ame, address, and telep	ohone number		
Susan Alpert Siege	el, Ph.D.			
Klarquist Sparkma	n, LLP			
One World Trade (Center, Suite 1600			
121 S.W. Salmon S	Street			
Portland, Oregon	97204-2988			
Telephone: 503-22	26-7391			
Facsimile: 503-228	3-9446			
10. 🛛 Please return	the attached postcard	to confirm that the	ese items have be	en received.
11. Statement and sig				g information is true and
		y attached copy is a		
				_
Susan Alpert Siege	1, Rh.D.			January 31, 2005
Name of Person S	igning	Signature		Date

cc: Client Docketing NIH Paralegal

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: File 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.

Janu Malla

Dated. 14	Dennis M. Klinman
STATE OF Mary (and)) ss. COUNTY OF Montgomery)	
This 19 day of February, 2009 M. Klinman, who executed the foregoing Assignthat it was executed under that person's own free	y , before me personally came the above-named Dennement in my presence, and who acknowledged to me will for the purposes set forth therein.
	Notary Public for NIHFCCI My commission expires:
[SEAL]	Aynalem Tadesse NOTARY PUBLIC Montgomery County, Maryland v Commission Expires 1/31/07
Dated:	Rainald Zeuner
Witnessed by	_
Name (Print)	-
Date	
Witnessed by	_
Name (Print)	
Date	_

ASSIGNMENT - Page 2 of 4

Dennis

Dated: 2/26/04	Daniela Verinely
COUNTY OF MONTSMY) ss.	
This 2 (oday of le buren, 300) Verthelyi, who executed the foregoing Assignment was executed under that person's own free will foregoing.	, before me personally came the above-named Daniela ent in my presence, and who acknowledged to me that it for the purposes set forth therein.
[SEAL]	Notary Public for NtH Federal Crediturer My commission expires: July 7. JUS
	My Commission Empires JUNE 7. 2 00 5
Dated: 2 26 04 STATE OF May (and) SS. COUNTY OF Mantgan	Insan Gursel
This 26 day of February, 2004	, 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 Jan 7, 2005 (ATH FCY My commission expires: Jun 7, 2005
[SEAL]	My Commission Expires

ASSIGNMENT - Page 3 of 4

STATE OF Mandan ss. M. GURST Mayda Gursel

This 24 day of 60, 90, 90, before me personally came the above-named Mayda Gursel, 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:

ANUSHA SONES

ANUSH SO

[SEAL]

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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ASSIGNMENT - Page 1 of 4

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

Dated:	
	Dennis M. Klinman
STATE OF)	
COUNTY OF) ss.	
This day of, M. Klinman, who executed the foregoing Assig that it was executed under that person's own fre	_, before me personally came the above-named Dennis nament in my presence, and who acknowledged to me see will for the purposes set forth therein.
	Notary Public for My commission expires:
[SEAL]	
Dated: Jo! Coox	Rainald Zeuner
Witnessed by felicie & Rund Name (Print) JUHANN C. SCHROD	
Name (Print) VICHANN C. SCHRCD	ER
Date UIEL, April 8, 2014	_
Witnessed by June	
Name (Print) ROBERT SCHOCK	·
Date Und April 8 2004	_

ASSIGNMENT - Page 2 of 4

Dated:	
	Daniela Verthelyi
STATE OF) COUNTY OF)	
COUNTY OF	
This day of, Verthelyi, who executed the foregoing A was executed under that person's own from	, before me personally came the above-named Daniela ssignment in my presence, and who acknowledged to me that it ee will for the purposes set forth therein.
	Noton Public for
9	Notary Public for
[SEAL]	
Dated:	Ihsan Gursel
STATE OF) COUNTY OF)	
) ss. COUNTY OF)	
Oursel, who executed the folegoing Ass	, before me personally came the above-named Ihsan ignment in my presence, and who acknowledged to me that it ree will for the purposes set forth therein.
	Notary Public for My commission expires:
(SEAT 1	

ASSIGNMENT - Page 3 of 4

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

Dated:	Mayda Gurscl
STATE OF)	
TATE OF) county of)	
COUNTY OF)	
This day of,	, before me personally came the above-named Mayda
Gursel, who executed the foregoing As	signment in my presence, and who acknowledged to me that it
Gursel, who executed the foregoing As	,, before me personally came the above-named Mayda signment in my presence, and who acknowledged to me that it free will for the purposes set forth therein.
Gursel, who executed the foregoing As	signment in my presence, and who acknowledged to me that it
Gursel, who executed the foregoing As	signment in my presence, and who acknowledged to me that it
Gursel, who executed the foregoing As	signment in my presence, and who acknowledged to me that it

[SEAL]

ASSIGNMENT - Page 4 of 4