01-22-2003 U.S. Department of Commerce HEET Patent and Trademark Office **PATENT** TO: The Commissioner of Patents and Trademarks 250 attached original document(s) or copy(ies) SKIMPHOE SECTIONS Submission Type Conveyance Type New Resubmission (Non-Recordation) License Merger Document ID# Security Agreement Correction of PTO Error Change of Name Reel# Frame # Other: Corrective Document Frame # Reel# Conveying Party(ies) Execution Date(s) January 8, 2003 1. Joseph E. Saavedra January 8, 2003 2. Larry K. Keefer 3. Aloka Srinivasan January 8, 2003 4. Christian Bodgan January 8, 2003 January 8, 2003 5. Xinhua Ji 6. Mark if Additional Names of Conveying Parties Attached 1 | **Receiving Party** Government of the United States of America, represented by the Secretary, Department of Health Name and Human Services Office of Technology Transfer Name 6011 Executive Boulevard Address Address Suite 325 MD 20852 Address Rockville State/Country Zip Code City Mark if Additional Names of Receiving Parties Attached **Correspondent Name and Address** Telephone: (312) 616-5600 Carol Larcher Facsimile: (312) 616-5700 Leydig, Voit & Mayer, Ltd. Attorney Docket No. 175888 Two Prudential Plaza, Suite 4900 Chicago, Illinois 60601-6780 Enter the total number of pages of the attached conveyance document including any attachments: **Pages** Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Numbers **Patent Application Numbers** 09/254,301 Month Day Year If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application PCT PCT PCT Number has not been assigned. PCT PCT PCT Enter the total number of properties involved: **Number of Properties** Fee Amount \$40.00 Fee Amount for Properties Listed (37 CFR 3.41): Method of Payment: Enclosed is a check in the amount of

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a

Authorization to Charge Additional Fees to Deposit Account No. 12-1216:

Yes No

true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Statement and Signature

PATENT REEL: 013667 FRAME: 0453

PATENT

Attorney Docket No. 175888 DHHS Ref. No. E-093-96/4

Leydig, Voit & Mayer, Ltd. Two Prudential Plaza Suite 4900 Chicago, Illinois 60601-6780

ASSIGNMENT

WHEREAS, WE, Joseph E. Saavedra, Larry K. Keefer, Aloka Srinivasan, Christian Bogdan, William G. Rice, and Xinhua Ji, employees of the Department of Health and Human Services, have invented a certain invention entitled:

O²-ARYLATED AND O²-GLYCOSYLATED 1-SUBSTITUTED DIAZEN-1-IUM-1,2-DIOLATES AND O²-SUBSTITUTED 1-[(2-CARBOXYLATO)PYRROLIDIN-1-YL]DIAZEN-1-IUM-1,2-DIOLATES

for which invention we have executed an application (non-provisional) for a U.S. patent, which was filed on May 3, 1999, under U.S. Application No. 09/254,301, and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, the Government of the United States of America (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, Therefore, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee, represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, noncontinuations-in-part, continuations, provisional applications, divisionals, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

PATENT REEL: 013667 FRAME: 0454 WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute and deliver such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date JANUARY 8, 2003 July	Gavel_
Joseph H. S	Saglvedra
STATE OF Mandand) COUNTY OF Frederick)	
- 3)	foregoing assignment document, and
Notary Pub	Qa X. Shook
{SEAL} My Commi	ission Expires:
	WANDA K. SHOOK Notary Public Frederick County Maryland My Commission Expires Oct 1, 2006

Date 1/8/03	Larry K. Keefer
STATE OF Masyland)SS:	
COUNTY OF Isalouck)35.	
the same person whose name is subscri	before me, a Notary ry K. Reefer, who is personally known to me to be bed to the foregoing assignment document, and ered the document as his/her free and voluntary act
{SEAL}	Notary Public My Commission Expires:
	WANDA K. 8HOOK Notary Public Frederick County Maryland My Commission Expires Oct 1, 2006

Date	1/8/03	Aloka Srinivasan	Simvara
STATE COUNT	$\frac{1}{1}$ (SS)	:	
the sam	On this day of day of and for said county, appeared Alae person whose name is subscledged that he/she signed and delieses and purposes therein set forth.	ribed to the foregoir	ng assignment document, and
{SEAL}		Notary Public My Commission E	expires:
	=		WANDA K. SHOOK Notary Public Frederick County Maryland My Commission Expires Oct 1, 2006

In re	Appln	of Saa	vedr	a et al.
				09/254,301

Date Leneury 8, 2003	3 Ce - Codlew
STATE OF Germany COUNTY OF Berwina	Christian Bogdan Prof. Dr. med. Christian Bogdan Institut für Klinische Mikrobiologie Immunologie und Hygiene der Universität Erlangen-Nürnberg Wasserturmstraße 8/5, 91064 Erlangen
the same person whose name is	before me, a Notary red Christian Bogdan, v/ho is personally known to me to be subscribed to the foregoing assignment document, and delivered the document as his/her free and voluntary act forth.
{SEAL}	Notary Public My Commiss on Expires:

In re Appln. of Saavedra et al. U.S. Patent Appln. No. 09/254,301

Date	William G. Rice
STATE OF	_) _)SS:
COUNTY OF)
the same person whose name is	ared William G. Rice, who is personally known to me to be subscribed to the foregoing assignment document, and nd delivered the document as his/her free and voluntary ac
{SEAL}	Notary Public My Commission Expires:

Date January 8, 2003 Empus Ji Xinhua Ji
STATE OF Maryland)SS:
COUNTY OF The derick
On this day of
Notary Public
{SEAL} My Commission Expires:
WANDA K. SHOOK Notary Public Frederick County Maryland My Commission Expires Oct 1, 2006

RECORDED: 01/16/2003