FORM PTO-159	5	
(Rev. 6-93)		

03-19-2003

" 9. DEPARTMENT OF COMMERCE ent and Trademark Office



RECOF			
102393495			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): 3.17.03	2. Name and address of receiving party(ies):		
1.) Hitesh SHROFF 2.) Adulla P. REDDY 3.) Nabil EL TAYAR 4.) Nadia BRUGGER 5.) Catherine JORAND-LEBRUN	Name: Applied Research Systems ARS Holding N.V Address: Pietermaai 15, Curacao, Netherlands, Antilles		
Additional name(s) of conveying party(ies) attached? Yes No	Additional name(s) & address(es) attached? Yes No		
3. Nature of Conveyance:			
✓ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other: Execution Date: 1.) 02/07/02, 2.) 02/05/02, 3.) 09/15/00 4.) 02/05/02 & 5.) 03/07/02			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application, the execution date of the application is:			
1	B. Patent No.(s)		
Additional numbers attached? 🔲 Yes 🗹 No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]		
Name: Peter F. Corless, Esq. (Reg. No.: 33,860) Street Address: Dike, Bronstein, Roberts & Cushman Intellectual Property Group of EDWARDS & ANGELL, LLP P.O. Box 9169 City: Boston State: MA Zip: 02209			
City: <u>Boston</u> State: <u>MA</u> Zip: <u>02209</u>	7. Total fee (37 CFR 3.41):\$40.00		
/18/2003 TBIAZ1 00000107 09860658	Authorized to be charged to deposit account for additional or excess fees.		
FC:8021 40.00 BP	8. Deposit account number: 04-1105 (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE			
9. 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. Peter F. Corless, Esq. (Reg. No.: 33,860) March 10 , 2003			
Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: 7			
OMB No. 0651-0011 (exp. 4/94)			

PATENT

REEL: 013850 FRAME: 0400

1) Hitesh SHROFF

- 2) Adulla P. REDDY 3) Nabil EL TAYAR
- S) NADII EL IATAK
- 4) Nadia BRUGGER
- 5) Catherine JORAND-LEBRUN

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt of which is acknowledged, each of the undersigned agrees to assign, and hereby does assign, transfer and set over to

APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.

Pietermaai 15, Curação, Netherlands, Antilles

(hereinafter designated as the Assignee) the entire right, title and interest in the invention known as:

PHARMACEUTICALLY ACTIVE COMPOUNDS AND METHODS OF USE

for which the undersigned have executed an application for patent in the United States of America of U.S. Application No.: 09/860,658

Filed on: May 19, 2001

Each of the undersigned further agrees to assign, and hereby does assign, transfer and set over to Assignee all applications for patent and any original and reissued Letters Patents granted for said invention and all divisions and continuations of said applications, including the subject matter of any and all claims which may be obtained in every such patent; and the right, where such right can be legally exercised, in his name to apply for and obtain patents in countries foreign to the United States, including the full right to claim for any such application the benefits of the International Convention as fully and entirely as he could have done if the application had been filed in his name; and the entire interest in any Letters Patents which may be granted on any such applications in such foreign countries; and he does authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on application as aforesaid, to issue the said Letters Patents to the said Assignee, its successors, assigns, nominees or other legal representatives, as Assignee and owner of the said entire interest; and he does covenant that he has full right to convey the said entire interest herein assigned and that he has not executed and will not execute any agreement in comflict herewith; and he agrees that he will communicate to said Assignee, its successors, assigns, nominees or other legal representatives, all facts known to him respecting said inventions, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute and deliver all divisional, continuing, reissue and foreign applications, make all rightful oaths and do all lawful acts requisite for the applications for such divisional, continuing, reissue or foreign applications, or the procuring thereof, and also to execute separate assignments in connection with any such applications as the Assignee may deem necessary or expedient or essential to the full protection and title in and to the invention hereby transferred; and that if and when said Assignee, its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, he will, upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer; and he further covenants and agrees that he will at any time, upon request, do everything possible to aid said Assignee, its successors, assigns, nominees or other legal representatives either in his or Assignee's own name, to apply for, obtain and enforce proper patent protection for said inventions in all countries, according to the International Convention of 1883 and all the laws and treaties in force, all without further consideration but at the expense of said Assignee, its successors, assigns, nominees or other legal representatives.

The undersigned hereby grant(s) Gregory B. Butler (Reg. No. 34,558) the power 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 Office for recordation of this document

This assignment shall be binding upon my (our) heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, and/or assigns of the Assignee.

In witness whereof, executed by the undersigned on the date opposite the name of the undersigned.

2/7/2002

Hitesh SHROFF

Before me personally appeared

Hitesh SHROFF

to me known to be assignor(s) described above, who subscribed the foregoing instrument in my presence this

Diane Cuddemi

My Comm. Exp.: Jan. 23, 2009

Form S/A/D

1) Hitesh SHROFF

- 2) Adulla P. REDDY
- 3) Nabil EL TAYAR
- 4) Nadia BRUGGER
- 5) Catherine JORAND-LEBRUN

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In witness whereof, executed by the undersigned on the date opposite the name of the undersigned. 30

02/05/02

Date

Adulla P REDDY

Before me personally appeared

Adulla P. REDDY

to me known to be assignor(s) described above, who subscribed the foregoing instrument in my presence this

Йу Comm. Exp.: Jan. 23, 2009

Form S/A/D

Family: 0434

CONFIRMATORY ACKNOWLEDGMENT, ASSIGNMENT AND UNDERTAKING

This Confirmatory Acknowledgment, Assignment and Undertaking is made the day of Secretaria (insert date)

TO:

APPLIED RESEARCH SYSTEMS ARS HOLDING N.V.

15 Pietermaai,

Curação,

Netherlands Antilles

I, Nabil El Tayar, of 143 Gerald Road, Milton, MA 02062, USA,

WHEREAS

- (A) I am one of the inventors of the invention entitled "PHARMACEUTICALLY ACTIVE COMPOUNDS AND METHODS OF USE", as described in the patent application filed with the United States Trademark and Patent Office on May 19, 2000; and
- (B) at the time of conceiving the invention, I was an employee of Serono Reproductive Biology Institute, Inc. (SRBI), formerly Ares Advanced Technology, which is a member of the Serono Group of Companies, which Group of Companies in turn wholly owns ARS; and
- (C) SRBI has agreed that all the intellectual property rights in the above invention shall belong to Applied Research Systems ARS Holding N.V. (ARS);

I ACKNOWLEDGE

- (1) that I made my contribution to the invention in the course of my normal duties as an employee of SRBI; and
- (2) that by virtue of my employment to SRBI all rights in the invention and in any improvement thereof as well as patent applications and resulting patents pertaining to said invention are now owned by ARS, its successors and assigns;

I ASSIGN

to ARS, its successors and assignees, all my right, title and interest in and to the said invention and all patent application, including all divisionals and/or continuation of said application filed with the United States Patent and Trademark Office and/or in any international (PCT) application filed designating United States, which application may claim the priority of the patent application identified under the above item (A); and in and to any and all Letters Patents and reissues and extensions thereof, of the United States and other countries, and

I authorize ARS its successors and assigns to insert here below (i) the application number and/or any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document:

(i)	US Serial No :	
and/or	PCT Application No:	
	Filing Date :	
and		

I UNDERTAKE

to do or have done as and when required by ARS or its designee and at the expense of ARS all acts and things including the execution of documents necessary or expedient to enable ARS or any other party as may be nominated by ARS to apply for and procure and enjoy the full and exclusive benefit of patents for or other intellectual property rights in the invention.

Signed by: Nabil EL TAYAR

> / w/ \

Accepted for and on behalf of Serono Reproductive Biology Institute, Inc. (SRBI)

By: Steve ARKINSTALL (Head of SRBI)

Accepted for and on behalf of Applied Research Systems ARS Holding N.V. (ARS)

By: (name and title)

Himmun

G.W.A. Wardenier Managing Director

Date: August 22, 2000

PATENT REEL: 013850 FRAME: 0404

- 1) Hitesh SHROFF
- 2) Adulla P. REDDY 3) Nabil EL TAYAR
- 4) Nadia BRUGGER
- 5) Catherine JORAND-LEBRUN

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02/05/02

Date

(4) Nadia BRUGGER

Before me personally appeared

Nadia BRUGGER

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Prane Cuddemi

My Comm. Exp.: Jan. 23, 2009

Form S/A/D

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In witness whereof, executed by the undersigned on the date opposite the name of the undersigned.

Date

07.03, 2007

Catherine JORAND-LEBRUN

PATENT REEL: 013850 FRAME: 0406

RECORDED: 03/17/2003