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10-07-1999



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To the Honorable Commissioner of Patents

101163602

attached original documents or copy thereof.

1. Name of conveying party(ies):

Dorit Arad; Yuval Elias; Orna Elhanay;
Leopold Puzis; Michael Shokhen

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

(X) Assignment () Merger
() Security Agreement () Change of Name
() Other

Execution Date: October 1, 1999

2. Name and Address of receiving party(ies):

Name: Cytoclonal Pharmaceuticals, Inc.

Internal Address: Suite 621

OCT 1

Street Address: 9000 Harry Hines Blvd

City: Dallas State: Texas ZIP: 75235

Additional name(s) & address(es) attached? () Yes (X) No

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:

A. Patent Application No.(s)

09/202,359

B. Patent No.(s)

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Eugenia S. Hansen

Internal Address: Sidley & Austin

Street Address: 717 N. Harwood, Suite 3400

City: Dallas State: Texas ZIP: 75201

6. Total Number of applications and patents involved: One

7. Total fee (37 CFR 3.41).....\$ 120.00

() Enclosed

(X) Authorized to be charged to deposit account

8. Deposit account number: 18-260 -7 -8 -1250

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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.

Eugenia S. Hansen
Name of Person Signing

Signature

October 1, 1999
Date

Total number of pages comprising cover sheet 3

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MRD 10-1-99

ASSIGNMENT

WHEREAS, I, Dorit Arad, residing at 16901 Park Hill Drive, Dallas, Texas 75248, own all right in application Serial No. 09,202,359, entitled, "Novel Anti-Viral Compounds," filed on May 21, 1999; and

WHEREAS, Cytoclonal Pharmaceuticals, Inc. (hereinafter referred to as "ASSIGNEE"), a corporation of the State of Texas, having a business address of 9000 Harry Hines Blvd., Suite 621, Dallas, Texas 75235, is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I also covenant that no assignment, sales agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand this 1st day of October, 1999.

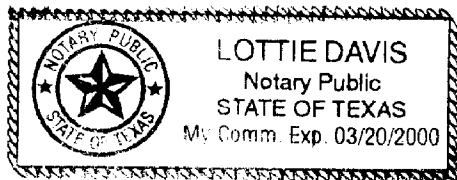
Dorit Arad
DORIT ARAD, INVENTOR

STATE OF TEXAS)

) ss:

COUNTY OF DALLAS)

On this 1st day of October, 1999, before me, a Notary Public in and for the State of Texas, personally appeared Dorit Arad, to me well known and known by me to be the person of the above name who signed the foregoing instrument, and acknowledged the same to be her own free act and deed.



Lottie Davis
Notary Public, State of Texas
Printed Name: Lottie Davis
Expires On: March 20, 2000

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Yuval Elias
29 Lessin Street
Tel Aviv 62997
Israel

Orna Elhanany
6 Lassale Street
Tel Aviv 63409
Israel

Leopold Puzis
Ganne Tal 2042
Bene Aish 79845
Israel

(hereinafter called the "assignors"), hereby sell, assign and transfer to:

Dorit Arad
17 Burla Street
Tel Aviv 69364
Israel

(hereinafter called the "assignee"), her successors, assigns, nominees or other legal representatives, the Assignors' entire right, title and interest in and to the invention entitled:

NOVEL ANTI-VIRAL COMPOUNDS

described and claimed in the following patent application:

U.S. Patent Application No. 09/202,359 files December 14, 1998, and identified as Attorney Docket No. 1043/5, claiming priority from PCT/IL97/00193 filed 15 June 1997 and IL 118657 filed 14 June 1996;

and in and to said Patent Applications, and all original and reissued Patents granted therefor, and all divisions and continuations thereof, including the right to apply and obtain Patents in all other countries, the priority rights under International Conventions, and the Letters Patent which may be granted thereon;

Dated this 12 day of June 1997

Yuval Elias
Yuval Elias

Orna Elhanany
Orna Elhanany

Leopold Puzis
Leopold Puzis

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Michael Shokhen
Shaul Hamelech 5/14
Kfar Sava 44434
Israel

(hereinafter called the "assignor"), hereby sells, assigns and transfers to:

Dorit Arad
17 Burla Street
Tel Aviv 69364
Israel

(hereinafter called the "assignee"), her successors, assigns, nominees or other legal representatives, the Assignor's entire right, title and interest in and to the invention entitled:

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Dated this 12 day of June 1997


Michael Shokhen