

03-19-2001

ER SHEET



TO THE ASSISTANT COMMISSIONER

101640446

and original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Xiao-Bo Wang
2. Weipling Yang
3. Junquan Xu
4. Jing Cheng
5. Lei Wu

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

3-5-01

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

Name: Aviva Biosciences Corporation
11568 Sorrento Valley Road, Suite 9
San Diego, California 92121

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

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

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

1. November 22, 2000
2. November 22, 2000
3. December 12, 2000
4. November 22, 2000
5. November 22, 2000

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 09/678,263
Filing Date: October 3, 2000

() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: William C. Boling
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor
Street Address: 620 Newport Center Drive
City: Newport Beach State: CA ZIP: 92660
Attorney's Docket No.: AVIVA.002A

7. Total fee (37 CFR 3.41): \$40

(X) Enclosed
() Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

William C. Boling
Name of Person Signing

Signature

Date

2/28/2001

41,625

Registration No.

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

03/16/2001 070N11 00000358 09678263

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Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

PATENT
REEL: 011583 FRAME: 0874

40E

Application No.:
Filing Date:

PATENT
Client Code: ARTLNCO.002A
Page 1

ASSIGNMENT

WHEREAS, We, Xiao-Bo Wang, a Chinese citizen, residing at 11684 Springside Road, San Diego, CA 92128; Weiping Yang, a United States citizen, residing at 7424 Maston Heights Lane, San Diego, CA 92126; Junquan Xu, a Chinese citizen, residing at No. 155, East Street, Cheng Xian District, Putian, Fujian, P.R. China, 351100; Jing Cheng, a Chinese citizen, residing at 4-204, No. 1 Building, Pu Ji Yuan, Tsinghua University, Beijing, P.R. China 10084; and Lei Wu, a United States citizen, residing at 14021 Capewood Lane, San Diego, CA 92128, have invented certain new and useful improvements in an APPARATUS FOR SWITCHING AND MANIPULATING PARTICLES AND METHOD OF USE THEREOF (U.S. Pat. App. No. 09/678,263, hereinafter the "Application") for which we have executed an application for Letters Patent in the United States, on October 3, 2000 and which claims priority to Chinese Patent Application No. 00129043.6 filed September 27, 2000.

WHEREAS, AVIVA Biosciences Corporation, (hereinafter "AVIVA") a California Corporation, with its principal place of business at 11568 Sorrento Valley Road, Suite 9, San Diego, California 92121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application throughout the world with the exception of P.R. China:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto AVIVA, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world, except China, in, to and under the said improvements, and the said Application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States except P.R. China, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States except China and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States except P.R. China, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to AVIVA, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to AVIVA, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid AVIVA, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries except P.R. China.

WHEREAS, Tsinghua University, with its principal place of business at Beijing, China 100084, desires to acquire the entire right, title, and interest in and to the said improvements in P.R. China:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto Tsinghua University, its successors, legal representatives and assigns, the entire right, title, and interest in P.R. China, in, to and under the said improvements, and all divisions, renewals and continuations thereof, which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in P.R. China, and all Letters Patent which may be granted for said improvements in China and all extensions, renewals and reissues thereof; and we hereby authorize and request any Official of China, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to Tsinghua University, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Application No.:
Filing Date:

PATENT
Client Code: ARTLNCO.002A
Page 2

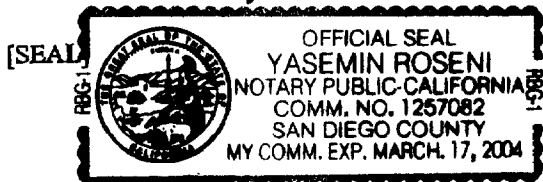
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22nd day of November, 2000.

Xiao-Bo Wang
Xiao-Bo Wang

STATE OF California
COUNTY OF San Diego ss.

On November 22nd, 2000 before me, Yasemin Roseni, personally appeared Xiao-Bo Wang personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Yasemin Roseni
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of Nov, 2000.

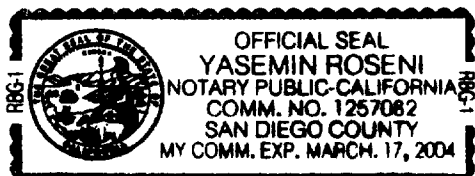
Weiping Yang
Weiping Yang

STATE OF California
COUNTY OF San Diego ss.

On November 22nd, 2000 before me, Yasemin Roseni, personally appeared Weiping Yang personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Yasemin Roseni
Notary Signature

Application No.:

Filing Date:

PATENT
Client Code: ARTLNCO.002A

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Signed this day of 12/12/00Junquan Xu
Junquan Xu

Attested by:

Xiaobo Wang 12/12/00
XIAOBO WANGSigned this day of 11/22/00Jing Cheng
Jing Cheng

Attested by:

Xiaobo Wang 11/22/00
XIAOBO WANGIN TESTIMONY WHEREOF, I hereunto set my hand and seal this 22 day of Nov., 2000.Lei Wu
Lei WuSTATE OF California
COUNTY OF San Diego ss.

On November 22, 2000 before me, Yasemin Roseni, personally appeared Lei Wu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Yasemin Roseni
Notary SignatureH:\DOCS\DE\ARTLNCO\DEJ-1826.DOC.tif
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