

101644204

PATENT Atty. Docket No. 1588.005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: William C. Manning Jr. et al.

Serial No.:

09/665,493

Group Art Unit: to be assigned

Filed:

September 20, 2000

Examiner: to be assigned

For:

USE OF RECOMBINANT GENE DELIVERY VECTORS FOR

TREATING OR PREVENTING DISEASES OF THE EYE

ASSIGNMENT DOCUMENT COVER LETTER

Box Assignment **Assistant Commissioner for Patents** Washington, D.C. 20231

1. The accompanying assignment covers the patent or application identified above.

No other patents or applications are covered by the assignment. X

Other patents and/or applications covered by the assignment as shown on the attached LIST OF PATENTS AND/OR APPLICATIONS COVERED BY ASSIGNMENT.

NAMES OF PARTY MAKING TRANSFER

2. Name 1: William C. Manning Jr.

Name 2:

Varavani J. Dwarki

Name 3: Katherine Rendahl Name 4:

Shangzhen Zhou

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231,

day of ___

1

IDENTITY OF PARTY TO WHOM TRANSFER IS MADE

3.	Transfer is being made to:			
		Chiron Corporation 4560 Horton Street - R440 Emeryville, CA 94608-2916 United States of America		
		INTENTION OF DOCUMENT		
4.	The ac	The accompanying document is an:		
	<u>X</u>	Assignment (original) License Security Interest Other		
	<u>X</u>	Execution Date(s): February 5, 2001, February 8, 2001, February 21, 2001, and February 23, 2001		
		FEE PAYMENT		
5.	Total	Total fee due \$40.00		
		Charge Deposit Account No. 03-1664 in the sum of \$40.00.		
	X Enclosed is a check for \$40.00.			
	<u>X</u>	X The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 03-1664. THIS IS NOT AN AUTHORIZATION FOR PAYMENT OF ANY ISSUE FEES.		

2

ADDRESS TO WHICH DOCUMENT SHOULD BE RETURNED AFTER RECORDAL BY PTO

6. Please return the recorded document to:

> CHIRON CORPORATION Intellectual Property - R440 P.O. Box 8097 Emeryville, California 94662-8097 United States of America

STATEMENT BY THE PARTY

7. I hereby submit that, to the best of my knowledge and belief, the information contained herein is true and correct and any copy submitted herewith is a true and correct copy of the original document.

By:

Alisa A. Harbin

Attorney for Applicants

Respectfully submitted,

Reg. No. 33,895

February 27, 2001

CHIRON CORPORATION Intellectual Property - R440 P.O. Box 8097 Emeryville, California 94662-8097 (510) 923-2706 (510) 655-3542 (fax)

Total number of pages comprising cover sheet: 12 (cover Letter plus Original Assignment)

3

REEL: 011592 FRAME: 0340

WHEREAS, We, William C. Manning, Jr., Varavani J. Dwarki, Katherine Rendahl, and Shangzhen Zhou, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

USE OF RECOMBINANT GENE DELIVERY VECTORS FOR TREATING

OR PREVENTING DISEASES OF THE EYE

Date(s) of Execution:

February 8, 2001

Filing Date: September 20, 2000

Serial No:

09/665,493

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

1

REEL: 011592 FRAME: 0341

ASSIGNORS also agree that the U.S. application number may be entered above by **ASSIGNEE** or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE			
			William C. Manning, Jr.
		Witness Si	gnature
TO A COT			
DATE			Varavani J. Dwarki
			, 6,20, 5,10
DATE			
	, 1		Katherine Rendahl
DATE	020801		frankling -
<i>D</i> /////			Shangzhen Zhou
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		Witness Si	ionature
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Title of Invention: USE OF RECOMBINANT GENE DELIVERY VECTORS FOR TREATING

OR PREVENTING DISEASES OF THE EYE

Date(s) of Execution: February 23, 2001 Filing Date: September 20, 2000

Serial No: 09/665,493

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

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DATE	
	William C. Manning, Jr.
DATE 02/23/01	Varnami I Dwarki
·	Varavani J. Dwarki
DATE	
	Katherine Rendahl
DATE	
	Shangzhen Zhou
	Juise Zigfel
	WISE XIPPEL
	GOLAN PRINC OF NEW JUSEY Commission Expires 12/20/2004
	Surorn to and subscribed
	23 day of Feb. 20.01

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WHEREAS, We, William C. Manning, Jr., Varavani J. Dwarki, Katherine Rendahl, and Shangzhen Zhou, hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: USE OF RECOMBINANT GENE DELIVERY VECTORS FOR TREATING

OR PREVENTING DISEASES OF THE EYE

Date(s) of Execution: February 5, 2001 Filing Date: September 20, 2000

Serial No: 09/665,493

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DATE	
	William C. Manning, Jr.
DATE	
	Varavani J. Dwarki
DATE 2/5/0(Katherine Rendahl
	Katherine Rendahl
DATE	
	Shangzhen Zhou

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	
County of Alameda	
On February 5, 2001 before	me, Elissa M. Nash, Name and Title of Officer (e.g., "Jane Doe, Notary Public")
	nh1, Name(s) of Signer(s)
ELISSA M. NASH Commission # 1262878 Notary Public - Colliamia	o 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 less he they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.
Alameda County My Corrm. Expires May 10, 2004	Signature of Notary Public
Description of Attached Document	
Title or Type of Document:Assignmen Document Date: Signer(s) Other Than Named Above:Will	Number of Pages: 2
Title or Type of Document:Assignmen	Number of Pages: 2
Title or Type of Document:Assignmen Document Date: Signer(s) Other Than Named Above:Will Capacity(ies) Claimed by Signer(s) Signer's Name: Individual	Number of Pages: 2 Lliam Manning, Varavani Dwarki, and Shangzhen Signer's Name:
Title or Type of Document:Assignmen Document Date: Signer(s) Other Than Named Above:Will Capacity(ies) Claimed by Signer(s) Signer's Name:	Number of Pages:2 Lliam Manning, Varavani Dwarki, and Shangzhen Signer's Name:
Title or Type of Document:Assignmen Document Date: Signer(s) Other Than Named Above:Will Capacity(ies) Claimed by Signer(s) Signer's Name: IndividualCorporate OfficerTitle(s): Partner — Limited General Attorney-in-Fact Trustee Guardian or Conservator	Number of Pages: 2 Liam Manning, Varavani Dwarki, and Shangzhen Signer's Name:

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Title of Invention:

USE OF RECOMBINANT GENE DELIVERY VECTORS FOR TREATING

OR PREVENTING DISEASES OF THE EYE

Date(s) of Execution: February 21, 2001

Filing Date: September 20, 2000

Serial No:

09/665,493

WHEREAS, CHIRON CORPORATION, 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

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IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE	2/21/01	William C. Manning, Jr. Witness Signature
DATE _		
		Varavani J. Dwarki
DATE		
		Katherine Rendah!
DATE		
		Shangzhen Zhou
		Witness Signature

RECORDED: 03/05/2001

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