

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael HOUGHTON	02/21/1990
Qui-Lim CHOO	02/21/1990
George KUO	02/21/1990
RECEIVING PARTY DATA	
Name:	NANBV Diagnostics and Vaccines
Street Address:	4560 Horton Street
City:	Emeryville
State/Country:	CALIFORNIA
Postal Code:	94608
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	08441443
CORRESPONDENCE DATA	
Fax Number:	(415)268-7522
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	4152687000
Email:	vcohen@mofo.com
Correspondent Name:	Otis Littlefield
Address Line 1:	Morrison & Foerster LLP
Address Line 2:	425 Market Street
Address Line 4:	San Francisco, CALIFORNIA 94105
ATTORNEY DOCKET NUMBER:	223002006316
NAME OF SUBMITTER:	Otis Littlefield
<p>Total Attachments: 4</p> <p>source=Document#page1.tif</p>	

CH \$40.00 08441443

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**PATENT**  
**REEL: 021740 FRAME: 0498**

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**ASSIGNMENT****JOINT**THIS ASSIGNMENT, by Michael Houghton, Qui-Lim Choo and George Kuo(hereinafter referred to as the assignors), residing at Danville, California; El Cerrito,  
California; and San Francisco, California,

respectively, witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in \_\_\_\_\_

NANBV DIAGNOSTICS AND VACCINESset forth in an application for Letters Patent of the United States, ☒ having an oath or declaration executed on even  
date herewith; ☒ bearing Serial No. 07/456,637 and filed on 12-21-89; andWHEREAS, Chiron Corporation, a corporation  
duly organized under and pursuant to the laws of Delaware, and having its principal  
place of business at 4560 Horton Street, Emeryville, California 94608(hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said  
inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents,  
United States or foreign, to be obtained therefor and thereon:NOW THEREFORE, in consideration of One Dollar (\$ 1.00 ) and other good and sufficient consid-  
erations, the receipt of which is hereby acknowledged, the said assignors have sold, assigned, transferred and set  
over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representa-  
tives and assigns, the entire right, title and interest in and to the abovementioned inventions, application for Letters  
Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may  
be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said  
application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Conven-  
tion for the Protection of Industrial Property, the same to be held and enjoyed by the said assignee, for its own use  
and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or  
terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held  
and enjoyed by the assignors, had this sale and assignment not been made.AND for the same consideration, the said assignors hereby covenant and agree to and with the said  
assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these  
presents, the said assignors are the sole and lawful owners of the entire right, title and interest in and to the said  
inventions and the application for Letters Patent abovementioned, and that the same are unencumbered and that the  
said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set  
forth.AND for the same consideration, the said assignors hereby covenant and agree to and with the said  
assignee, its successors, legal representatives and assigns, that the said assignors will, whenever counsel of the said  
assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in  
connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters  
Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any  
division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any  
Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths,  
and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of  
Letters Patent for said inventions, without charge to the said assignee, its successors, legal representatives and  
assigns, but at the cost and expense of the said assignee, its successors, legal representatives and assigns.AND the said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the  
United States to the said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for  
the sole use and behoof of the said assignee, its successors, legal representatives and assigns.

Date <u>2/21/90</u>	Name of Inventor <u>Michael Houghton</u>
Date <u>2/21/90</u>	Name of Inventor <u>Qui-Lim Choo</u>
Date <u>2/21/90</u>	Name of Inventor <u>George Kuo</u>

PATENT

REEL: 021740 FRAME: 0500

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STATE OF CALIFORNIA

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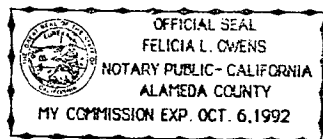
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COUNTY OF ALAMEDA

On this 21 day of February, in the year  
1990, before me, Felicia L. Owens, a  
Notary Public in and for the State of California,  
personally appeared Michael Houghton  
personally known to me/or proved to me on the basis of  
satisfactory evidence to be the person whose name is  
subscribed to this instrument, and acknowledged that  
he/she/they executed the same.

In witness whereof, I have hereunto set my hand and  
affixed my official seal, the day and year in this  
certificate first above written.



Felicia L. Owens  
Notary Public

REEL 5272 FRAME 992

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

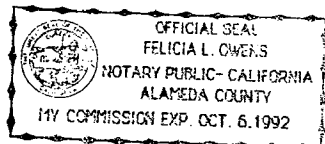
PATENT 5689226

REEL: 021740 FRAME: 0501

STATE OF CALIFORNIA :  
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COUNTY OF ALAMEDA :

On this 21 day of February, in the year  
1990, before me, Felicia L. Owens, a  
Notary Public in and for the State of California,  
personally appeared Qui-Lim Choo  
personally known to me/or proved to me on the basis of  
satisfactory evidence to be the person whose name is  
subscribed to this instrument, and acknowledged that  
he/she/they executed the same.

In witness whereof, I have hereunto set my hand and  
affixed my official seal, the day and year in this  
certificate first above written.



*Felicia L. Owens*  
\_\_\_\_\_  
Notary Public

REEL 5272 FRAME 993



5689227

PATENT

REEL: 021740 FRAME: 0502

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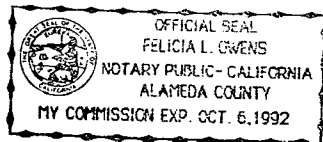
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COUNTY OF ALAMEDA

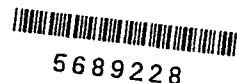
On this 21 day of February, in the year  
1990, before me, Felicia L. Owens, a  
Notary Public in and for the State of California,  
personally appeared George Kuo  
personally known to me/or proved to me on the basis of  
satisfactory evidence to be the person whose name is  
subscribed to this instrument, and acknowledged that  
he/she/they executed the same.

In witness whereof, I have hereunto set my hand and  
affixed my official seal, the day and year in this  
certificate first above written.



*Felicia L. Owens*  
\_\_\_\_\_  
Notary Public

REEL 5272 FRAME 994



PATENT