

RECORDATION FORM COVER SHEET
PATENTS ONLY

CEPH-1419

To The Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Cynthia Cowgill 11/6/2003
First Assignor Date of Execution

Luis Juarbe-Osorio 11/16/2003
Second Assignor Date of Execution

Patricio Riquelme 11/13/2003
Third Assignor Date of Execution

Glenn Dorin 11/6/2003
Fourth Assignor Date of Execution

Fifth Assignor Date of Execution

Sixth Assignor Date of Execution

Additional name(s) of conveying party(ies) attached? YES NO

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

Name: Chiron Corporation

Street Address: 4560 Horton Street

City: Emeryville

State: CA ZIP: 94608-2916

Additional name(s) & address attached? YES NO

3. Nature of Conveyance (check only one):

New Assignment Merger

License Agreement Security Agreement

Change of Name Other:

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:

Application Nos.:	Patent Nos.:	Date application was signed by the first named executing inventor
	5,650,496 7/22/1997	(Fill-in this date only if assignment is filed together with a new application)

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

Name: Felicity E. Groth
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-3100

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

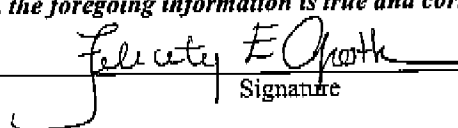
Enclosed

Authorized to be charged to Deposit Account Number 23-3050

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

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.

Felicity E. Groth/47,042  November 19, 2004
Name of Person Signing/Reg. No. Signature Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: 6

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

Mail Stop Assignment Recordation Services
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

700132658

PATENT
REEL: 015386 FRAME: 0891

CH \$40.00 233050 5650496

ASSIGNMENT

WHEREAS, We, Cynthia COWGILL, Luis JUARBE-OSORIO, Patricio RIQUELME and Glenn DORIN, hereinafter referred to as ASSIGNORS, have co-invented certain improvements as described and set forth in the below-identified United States Letters Patent:

Title of Invention: IGF-1 PURIFICATION PROCESS

Date of Execution:

Filing Date: April 14, 1995

Serial No.: 08/422,436

Issue Date: July 22, 1997

Patent No: 5,650,496

WHEREAS, CHIRON CORPORATION, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the said invention 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.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by ASSIGNEE or its agents upon designation of the serial number and the filing date 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.

INVENTOR: Cynthia COWGILL

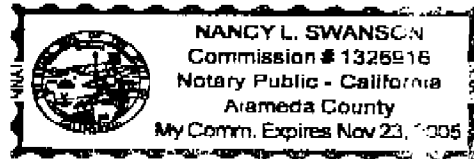
DATE 06 Nov 2003

Cynthia Cowgill
Signature

State of California
County of Alameda

On 11/6/03 before me, Nancy L Swanson Notary Public, personally appeared Cynthia Cowgill, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he/~~she/~~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.



Nancy L. Swanson
Signature of Notary Public

Notary Seal

INVENTOR: Luis JUARBE-OSORIO

DATE November 16, 2003

Luis Juarbe Osorio
Signature

State of California
County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she/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.

Signature of Notary Public

Notary Seal

INVENTOR: Patricio RIQUELME

DATE NOV. 13, 2003

Patricio Riquelme
Signature

State of California
County of Alameda

On 11/13/03 before me, Nancy L. Swanson, Notary Public,
personally appeared Patricio Riquelme personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/~~she~~/~~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.



Nancy L. Swanson
Signature of Notary Public

Notary Seal

INVENTOR: Glenn DORIN

DATE 06 NOV 03

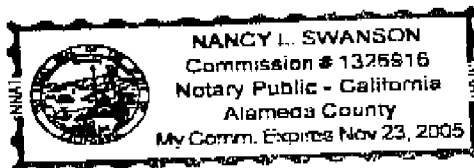
[Signature]
Signature

State of California
County of Alameda

On 11/6/03 before me, Nancy L. Swanson Notary Public,
personally appeared Glenn Dorin, personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
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executed the same in his/~~her~~/~~their~~ authorized capacity(ies), and that by his/~~her~~/~~their~~
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person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Notary Seal