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Atty Docket No.: 16620.005

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1. Name of conveying party(ies):

John Telford
Vega Massignani
Immaculada Margarit Y. Ros
Guido Grandi

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

2. Name and address of receiving party(ies)

Name: Chiron S.r.l.

Internal Address:

Street Address: Via Fiorentina 1

City: Siena

Country: Italy

Zip: 53100

☐ OtherAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: September 15, 2003 and September 17, 2003

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)

10/415,182

B. Patent Registration No.(s)

Additional number(s) attached ☐ Yes ☒ No

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

Name: Chiron Corporation

Internal Address: Mail Stop R-3

Street Address: 4560 Horton Street

City: Emeryville State: CA Zip: 94608-2916

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

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03-1664

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PATENT
REEL: 014521 FRAME: 0503

ASSIGNMENT

WHEREAS, We, John Telford, Vega Masignani, Immaculada Margarit Y Ros, and Guido Grandi, 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: NUCLEIC ACIDS AND PROTEINS FROM STREPTOCOCCUS GROUPS A & B

Date(s) of Execution: September 15, 2003

Application No(s): GB 0026333.5 September 17, 2003

GB 0028727.6

GB 0105640.7

PCT/GB01/04789

US 10/415,182

Filing Date: October 27, 2000

Filing Date: November 24, 2000

Filing Date: March 7, 2001

Filing Date: October 29, 2001

Filing Date: April 28, 2003

WHEREAS, CHIRON S.r.l., Via Fiorentina 1, I-53100, Siena, Italy, 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.

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 17/9/03 [Signature]
John Telford
[Signature]
Witness Signature
[Signature]
Witness Signature

DATE 17/09/03 [Signature]
Vega Masignani
[Signature]
Witness Signature
[Signature]
Witness Signature

PATENT

Atty. Docket No. 16620.005

DATE 15.9.03

Margaret Y Ros Inmaculada
Inmaculada Margarit Y Ros

Catherine Nolte

Witness Signature

W. G. -

Witness Signature

DATE September 15th 2003

Guido Grandi
Guido Grandi

Catherine Nolte

Witness Signature

W. G. -

Witness Signature