

FORM PTO-1619A
Expires 09/30/99
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05-07-1998

U.S. Department of Commerce
Patent and Trademark Office

MRD
4-29-98



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RECORDATION FORM SHEET

PATENTS ONLY

APR 29 1998

PATENT

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
- ☐ Resubmission (Non-Recordation)
Document ID#
- ☐ Correction of PTO Error
Reel # Frame #
- ☐ Corrective Document
Reel # Frame #

Conveyance Type

- ☐ Assignment ☒ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Execution Date
Month Day Year

Name (line 1) Lifecodes Corporation

03/31/98

Name (line 2) a Corporation of Delaware

Second Party

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) First Union National Bank

Name (line 2)

Address (line 1) 300 Main Street

Address (line 2)

Address (line 3) Stamford

CT

06904

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

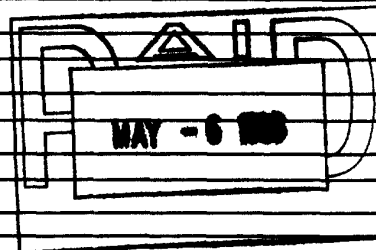
Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)



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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0851-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0851-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

REEL: 9138 FRAME: 0557

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Application Number(s) or Patent Number(s)

☒ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

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PCT

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:

Deposit Account

Enclosed ☒

Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes ☒

No ☐

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. Charges to deposit account are authorized, as indicated herein.

Jaqueline E. Pennine
Name of Person Signing

Jaqueline E. Pennine
Signature

4/28/98
Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name	Execution Date Month Day Year
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	<input type="text"/>
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	<input type="text"/>
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	<input type="text"/>

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name	Address	City	State/Country	Zip Code	
Name (line 1) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Address (line 1) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Address (line 3) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Name (line 1) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)
Name (line 2) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Address (line 1) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Address (line 2) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Address (line 3) <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text"/>	<input type="text"/>	<input type="text"/>	4,794,075	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	4,895,955	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	4,063,663	<input type="text"/>	<input type="text"/>
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**GRANT OF SECURITY INTEREST IN AND MORTGAGE
OF UNITED STATES TRADEMARKS AND PATENTS**

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, LIFECODES CORPORATION, a Delaware corporation (the "Grantor") with principal offices at 550 West Avenue, Stamford, CT 06902 hereby assigns, grants and mortgages to FIRST UNION NATIONAL BANK, with principal offices at 300 Main Street, Stamford, CT 06904 (the "Grantee"), a security interest in (i) all of the Grantor's right, title and interest in and to the United States trademarks, trademark registrations and trademark applications (the "Marks") set forth on Schedule A attached hereto, (ii) all of the Grantor's right, title and interest in and to the United States patents (the "Patents") set forth on Schedule B attached hereto, in each case together with (iii) all Proceeds (as such term is defined in the Security Agreement referred to below) and products of the Marks and Patents, (iv) the goodwill of the businesses symbolized by the Marks, and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Marks and Patents or unfair competition regarding the same.

THIS AGREEMENT is entered into to secure the full and prompt performance and payment of all the Obligations of the Grantor, as such term is defined in the Amended and Restated Security Agreement among the Grantor, the other assignors from time to time party thereto and the Grantee dated as of March 31, 1998 (as amended from time to time, the "Security Agreement"). Upon the occurrence of the Termination Date (as defined in the Security Agreement), the Grantee shall, upon such satisfaction, execute, acknowledge, and deliver to the Grantor such statements, documents or other instruments in writing as may be reasonably requested by Grantor releasing the security interest and mortgage in the Marks and Patents granted under this Agreement.

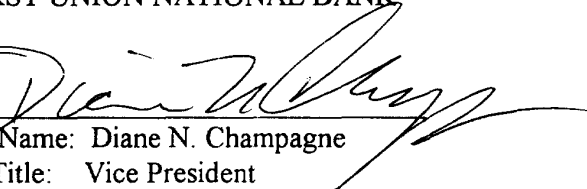
This Agreement has been entered into in conjunction with the security interest granted to the Grantee under the Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Agreement are deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall govern.

1998. The undersigned have executed this Agreement as of the 31st day of March,

LIFECODES CORPORATION

By 
Name: Dean L. Somer
Title: Controller

FIRST UNION NATIONAL BANK

By 
Name: Diane N. Champagne
Title: Vice President

STATE OF CONNECTICUT)

) SS.:

COUNTY OF FAIRFIELD)

On this 3rd day of April, 1998, before me personally came Dean L. Somer, who, being by me duly sworn, did state as follows: that he is Controller of LIFECODES CORPORATION that he is authorized to execute the foregoing Agreement on behalf of such corporation and that he/she did so by authority of the Board of Directors of such corporation.

Commissioner of the Superior Court

STATE OF CONNECTICUT)

) SS.:

COUNTY OF FAIRFIELD)

On this 3rd day of April, 1998, before me personally came Diane N. Champagne who, being by me duly sworn, did state as follows: that she is the Vice President of FIRST UNION NATIONAL BANK, that she is authorized to execute the foregoing Agreement on behalf of such corporation and that she did so by authority of the Board of Directors of such corporation.

Commissioner of the Superior Court

SCHEDULE A

TRADEMARKS ISSUES TO LIFECODES CORPORATION

<u>MARK</u>	<u>REG. NO.</u>
1) Lifecodes Corporation	U.S. Reg. No. 1,466,690
2) Quick-Light	U.S. Reg. No. 1,845,279
3) Lifeprint	U.S. Reg. No. 1,589,583
4) Lifecodes Logotype	U.S. Reg. No. 1,623,035
5) Lifecodes Corporation Service Mark	U.S. Reg. No. 1,466,690
6) Lifecodes Corporation	U.S. Reg. No. 1,643,241
7) Lifeprint Service Mark	U.S. Reg. No. 1,657,729
8) Lifefile Service Mark	U.S. Reg. No. 1,666,110

SCHEDULE B

LIFECODES CORPORATION PATENTS:

<u>U.S. Patent No.</u>	<u>Title</u>
1) 4,963,663 Issue Date: 10/16/90	"Genetic Identification Employing DNA Probes of Variable Number Tandem Repeat Loci"
2) 5,411,859 Issue Date: 5/2/95	"Genetic Identification Employing DNA Probes Variable Number Random Repeat"
3) 5,593,832 Issue Date: 1/14/97	"Method for Forensic Analysis"
4) 4,617,102	Process and Apparatus for Purifying and Concentrating DNA from Crude Mixtures Containing DNA (Apparatus Claims)
5) 4,750,982	Process and Apparatus for Purifying and Concentrating DNA from Crude Mixtures Containing DNA (Process Claims)
6) 4,863,582	Process and Apparatus for Purifying and Concentrating DNA from Crude Mixtures Containing DNA (Apparatus Claims)
7) 4,633,089	Hand Held Radiation Detector
8) 4,721,668	Pre-Electrophoretic Detector
9) 4,775,745	Diazonium Compounds Useful as Components for Nucleic Acid Probes
10) 4,794,075	Method for Locating and Purifying DNA Containing Single Base Mismatches
11) 4,895,955	Non-Radioactive Carbodiimide Precursor to Nucleic

LIFECODES CORPORATION PATENTS:

<u>U.S. Patent No.</u>	<u>Title</u>
	Acid Probes
12) 4,063,663*	Genetic Identification Employing DNA Probes of Variable Number Tandem Repeat Loci

* licensed from the University of Utah

U.S. PATENTS PENDING BY LIFECODES:

<u>Docket No./Serial No.</u>	<u>Descriptive Title</u>
1) L/S&S-2/241,639	Composition and Methods Useful for Genetic Analysis (DNF24)
2) L/S&S-4/331,414	Novel Compositions and Protocols Applicable to Genetic Analysis (D18S27)
3) (6248-025)/150,465	A Test for the Determination of Paternity and/or the Establishment of Individual Identity
4) L/S&S-6/650,511	Molecular Genetic Identification Using Probes that Recognize Polymorphic Loci (D4S163)