

10-02-2002

EET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



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

1. Name of conveying party(ies):  
**Motorola, Inc.**

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

Name: **Amersham Biosciences AB**

Internal Address: \_\_\_\_\_

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Street Address: **Bjorkgatan 30**

**Uppsala, Sweden SE751-84**

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Execution Date: **July 18, 2002**

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

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

~~09/580,744~~

09/334,217

09/344,620

6,203,985

5,597,182

5,733,509

60/155,431

09/464,490

09/976,986

5,936,730

5,671,303

6,013,446

10/114,903

09/605,766

10/025,185

6,048,699

5,841,914

5,731,152

09/439,889

09/492,013

09/707,823

6,096,172

6,103,467

5,948,694

Additional numbers attached? ☒ Yes ☐ No

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

Name: **Royal N. Ronning, Jr.**

Internal Address: **Amersham Biosciences Corp**

10/02/2002 LNWELLER 00000019 500588 09580744

01 FC:581

1280.00 CH

Street Address: **800 Centennial Avenue**

City: **Piscataway**

State: **NJ**

ZIP: **08855**

6. Total number of applications and patents involved: **29**

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

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

**500-588**

(Attach duplicate copy of this page if paying by deposit account)

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.

**Royal N. Ronning, Jr.**

Name of Person Signing

Signature

**September 25, 2002**

Date

Total number of pages including cover sheet, attachments, and document: **12**

**Continuation of Patent Application No.(s):**

09/642,863

10/022,014

10/114,908

60/950,767

09/946,424

09/921,045

10/131,426

**Continuation of Patent No.(s):**

6,048,691

## **PATENT ASSIGNMENT AGREEMENT**

THIS PATENT ASSIGNMENT AGREEMENT is entered into this 24th day of July 2002, by and between MOTOROLA, INC., a Delaware corporation (the "Assignor"), and AMERSHAM BIOSCIENCES AB, a corporation organized under the laws of Sweden (the "Assignee").

WHEREAS, the Assignor is the owner of certain new and useful inventions as described in the patent applications (whether pending or in the process of preparation) and patents listed in the attached Schedule (all such inventions, patents and patent applications collectively referred to as the "Patents"); and

WHEREAS, the Assignee, is desirous of acquiring, and Assignor is desirous of assigning to Assignee all of its right, title and interest in and to the Patents.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and conditions herein contained and for other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Assignor hereby SELLS, ASSIGNS and CONVEYS unto Assignee all of its right, title, and interest to:

a. The Patents, including all U.S. and foreign counterparts and rights of priority thereto;

b. Any continuations, continuations-in-part (in whole or in part) filed by Assignee, divisionals, extensions, renewals, reissues, utility models, inventor's certificates and reexaminations issuing from the Patents and filed by the Assignee;

c. All rights of action to recover for past, present and future damages for infringement of said Patents subject to any licensing agreement of the Assignor set forth on Schedule 2.1.1(a) of the Intellectual Property Agreement of even date herewith; and

d. The right for the Assignee to register any of the Patents transferred to the Assignee in its own name.

2. Assignor shall cooperate with Assignee, at Assignee's request, to execute all documents and deeds that are reasonably necessary for giving full effect to the assignment contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: *Jonathan P. Meyer*

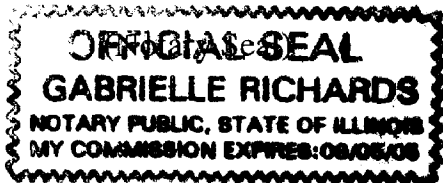
Name: JONATHAN P. MEYER  
Title: SR. VICE PRESIDENT &  
ASST. GENERAL COUNSEL  
I.P. SECTION, LAW DEPT.

By: \_\_\_\_\_

Name:  
Title:

THE STATE OF ILLINOIS                      3  
COUNTY OF COOK                                      3

Before me, the undersigned authority, on this 17<sup>th</sup> day of July, 2002 personally appeared JONATHAN P. MEYER, who being by me first duly sworn declared that he is the SR. V.P. + ASST. GEN'L COUNSEL of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.



*Gabrielle Richards*  
Notary Public

THE STATE OF \_\_\_\_\_ 3  
COUNTY OF \_\_\_\_\_ 3

Before me, the undersigned authority, on this \_\_\_\_\_ day of July, 2002 personally appeared \_\_\_\_\_, who being by me first duly sworn declared that he is the \_\_\_\_\_ of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

MOTOROLA, INC.

AMERSHAM BIOSCIENCES AB

By: \_\_\_\_\_

Name:

Title:

By: Andrew Carr

Name: Andrew Carr

Title: Authorized Signatory

THE STATE OF \_\_\_\_\_

3

3

COUNTY OF \_\_\_\_\_

3

Before me, the undersigned authority, on this \_\_\_\_\_ day of July, 2002 personally appeared \_\_\_\_\_, who being by me first duly sworn declared that he is the \_\_\_\_\_ of Motorola, Inc. and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

\_\_\_\_\_  
Notary Public

THE STATE OF New Jersey

3

3

COUNTY OF Middlesex

3

Before me, the undersigned authority, on this 18th day of July, 2002 personally appeared Andrew Carr, who being by me first duly sworn declared that he is the Authorized Signatory of Amersham Biosciences AB and acknowledged to me that he executed the foregoing Assignment for the purposes therein expressed.

(Notary Seal)

Kim R. Novak  
Notary Public

KIM R. NOVAK

Notary Public of New Jersey

My Commission Expires May 17, 2005

LIC. 2177995

	Patent No.	Status	Title
Australia	707952	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Australia	711411	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Australia	56362/00	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Canada	2251942	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
Canada	2260897	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
Canada	PCT/US00/17422	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
France	9704604	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
France	9704606	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	968/Del/1997	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
India	977/Del/97	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
India	698/Del/97	Filed	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
Japan	2000-576950	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
Japan	9-537158	Filed	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEODTIDE-SPECIFIC DISPENSING BARS
Japan	10-550418	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY

Japan	2001-507097	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Korea	10-2000-0013387	Filed	BIO-MOLECULE ANALYZER
Korea	10-2000-0015450	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	6,203,985	Granted	BIO-MOLECULE ANALYZER
United States	5,936,730	Granted	BIO-MOLECULE ANALYZER
United States	6,048,699	Granted	METHOD OF FABRICATION BIOCHIP ARRAYS
United States	6,096,172	Granted	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	09/580,744	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
United States	5,597,182	Granted	PERSONAL HUMAN ANATOMY CARD
United States	5,671,303	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	5,841,914	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
United States	6,103,467	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
United States	5,733,509	Granted	METHOD AND SYSTEM FOR SYNTHESIZING OLIGONUCLEOTIDES USING NUCLEOTIDE-SPECIFIC DISPENSING BARS
United States	6,013,446	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,731,152	Granted	METHOD AND SYSTEM FOR BIOLOGICAL REAGENT PLACEMENT
United States	5,948,694	Granted	MOLECULAR DETECTION APPARATUS
United States	6,048,691	Granted	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY

United States	60/155,431	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
United States	10/114,903	Filed	SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	09/439,889	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
United States	09/334,217 (Second appl. awaiting S/N from USPTO)	Filed	POLYACRYLAMIDE HYDROGELS
United States	09/464,490 09/605,766 09/492,013	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
United States	09/344,620	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
United States	09/976,986 10/025,185	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
United States	09/707,823	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS
United States	09/642,863	Filed	BINDING ARRAYS
United States	10/022,014	Filed	POST-SYNTHESIS LABELING OF NUCLEIC ACIDS
United States	10/114,908	Filed	P450 SINGLE NUCLEOTIDE POLYMORPHISM BIOCHIP ANALYSIS
United States	60/950,767	Filed	RCA APPLICATION
United States	09/946,424	Filed	ARRAY USING MICROSPHERES
United States	09/921,045	Filed	RATIO-BASED OLIGONUCLEOTIDE PROBE SELECTION
Taiwan	NI-118637	Granted	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE



European Patent Office	99953162.7	Filed	METHOD OF BONDING BIO-MOLECULE TO A TEST SITE
European Patent Office	97921108.3	Filed	MOLECULAR DETECTION APPARATUS AND METHOD USING OPTICAL WAVE
European Patent Office	9892372.1	Filed	METHOD AND SYSTEM FOR PERFORMING A BINDING ASSAY
European Patent Office	941693.4	Filed	METHODS AND COMPOSITIONS FOR ATTACHMENT OF BIOMOLECULES TO SOLID SUPPORT HYDROGELS
Patent Cooperation Treaty	US/00/25988	Filed	DIMENSIONAL MICRO-ARRAY SYSTEM FOR PARALLEL GENOTYPING OF SINGLE NUCLEOTIDE POLYMORPHISM
Patent Cooperation Treaty	US/00/42053	Filed	MACROPOROUS MEDIA FOR BIOLOGICAL APPLICATION
Patent Cooperation Treaty	US/00/34145	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/02664	Filed	METHOD AND APPARATUS FOR PERFORMING BIOLOGICAL REACTIONS ON A SUBSTRATE SURFACE
Patent Cooperation Treaty	US/01/24894	Filed	USE AND EVALUATION OF 2+2 PHOTOADDITION IN IMMOBILIZATION OF OLIGONUCLEOTIDES ON A THREE DIMENSIONAL HYDROGEL MATRIX
Patent Cooperation Treaty	US/01/41912	Filed	SCHIFF BASE REDUCTANT CODISPENSE PROCESS