

04-03-2003

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TO THE ASSISTANT COMMISSIONER FOR PATENT

102408530

ments or copy thereof.

1 Name of conveying party(ies): (If multiple assignors, list numerically)

Masato Mitsuhashi

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

2. Name and address of receiving parties:

(1) Name: **HITACHI CHEMICAL CO., LTD.**Address: **1-1 Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, 163-0449 Japan**(2) Name: **HITACHI CHEMICAL RESEARCH CENTER, INC.**Address: **1003 Health Sciences Road West, Irvine, CA 92718**

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3 Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in above) **3/28/03**

4. Application number(s) or Patent number(s):

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: **10/048,800**Filing Date: **1/31/02**

() Patent No.:

Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: **Connie C. Tong**
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: **Fourteenth Floor**Street Address: **2040 Main Street**City: **Irvine** State: **CA** ZIP: **92614**Attorney's Docket No.: **HITACHI.031A**7. Total fee (37 CFR 1.21(h)): **\$40**

(X) Enclosed

() Authorized to be charged to deposit account

8. Deposit account number: **11-1410**

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: **1**

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.

Connie C. Tong

Name of Person Signing

Signature

April 1, 2003

Date

52,292

Registration No.

Total number of pages including cover sheet, attachments and document: **2**

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

04/03/2003 DBYRNE 00000104 10048800

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CCT-4137.DOC:CB 040103

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PATENT
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ASSIGNMENT

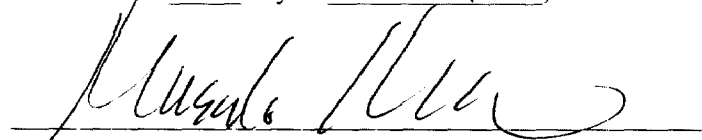
WHEREAS, I, **Masato Mitsuhashi**, a citizen of the United States of America, residing at 8 Brookmont, Irvine, CA 92604, have invented certain new and useful improvements in a **DIRECT RT-PCR ON OLIGONUCLEOTIDE-IMMOBILIZED PCR MICROPLATES** for which I have filed an application for Letters Patent in the United States, Application No. 10/048,800, filed January 31, 2002.

AND WHEREAS, **HITACHI CHEMICAL CO., LTD.**, a Japanese Corporation, with its principal place of business at 1-1 Nishishinjuku 2-chome, Shinjuku-ku, Tokyo, 163-0449 Japan and **HITACHI CHEMICAL RESEARCH CENTER, INC.**, a California corporation, with its principal place of business at 1003 Health Sciences Road West, Irvine, CA 92718 (hereinafter "ASSIGNEE"), desire to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, his successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, his successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, his successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, his successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28th day of March, 2003.


Masato Mitsuhashi

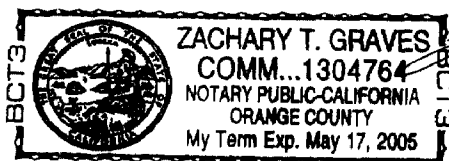
STATE OF California }
 } ss.
COUNTY OF Orange }

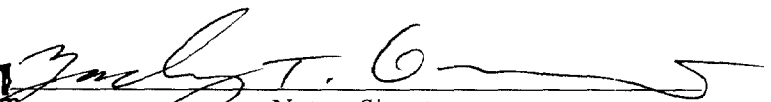
On MARCH 28, 2003, before me, ZACHARY T. GRAVES, personally appeared **Masato Mitsuhashi** ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person executed the instrument.

WITNESS my hand and official seal.

[SEAL]

CCT-4174.DOC:cb 032803




Notary Signature