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April 3, 2002

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### RECORDATION FORM COVER SHEET PATENTS ONLY

Please record the attached document.

1. Names of all conveying parties:

Hiroyuki Mano  
Tsuneaki Sakata  
Mamoru Hasegawa  
Toshiaki Tabata

4-12-02

Additional names attached: NO

2. Names and addresses of all receiving parties:

DNAVEC RESEARCH INC.  
25-11, Kannondai 1-chome  
Tsukuba-shi, Ibaraki 305-0856  
JAPAN

Additional names/addresses attached: NO

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date: 03/01/02, 03/04/02, 03/06/02,  
and 03/14/02

4. Application numbers or patent numbers:

A. Patent Application Numbers: 10/045,428

B. Patent Numbers:

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

Paul T. Clark  
Reg. No. 30,162  
Clark & Elbing LLP  
101 Federal Street  
Boston, MA 02110  
Customer No.: 21559

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00  
☒ Fee enclosed  
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8. Deposit account number: 03-2095. If the fee  
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JAMES D. DE CAMP  
Name of person signing

*James D. De Camp*  
Signature

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PATENT TRADEMARK OFFICE

PATENT  
REEL: 012814 FRAME: 0298

# ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Hiroyuki Mano	Utsunomiya-shi	Tochigi, JAPAN
Tsuneaki Sakata	Toyonaka-shi	Osaka, JAPAN
Mamoru Hasegawa	Tsukuba-shi	Ibaraki, JAPAN
Toshiaki Tabata	Tsukuba-shi	Ibaraki, JAPAN

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
DNAVEC RESEARCH INC.	Ibaraki, Japan	25-11, Kannondai 1-chome, Tsukuba-shi, Ibaraki 305-0856 JAPAN

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
PROMOTER	November 8, 2001	10/045,428

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal

at Tokyo, Japan  
this 14<sup>th</sup> day of March, 2002

Hiroyuki Mano

L.S.  
HIROYUKI MANO

IN WITNESS WHEREOF, I hereto set my hand and seal

at Osaka, Japan  
this 6<sup>th</sup> day of March, 2002

Tsuneki Sakata

L.S.  
TSUNEAKI SAKATA

IN WITNESS WHEREOF, I hereto set my hand and seal

at Ibaraki, Japan  
this 1<sup>st</sup> day of March, 2002

Mamoru Hasegawa

L.S.  
MAMORU HASEGAWA

IN WITNESS WHEREOF, I hereto set my hand and seal

at Ibaraki, JAPAN  
this 4<sup>th</sup> day of March, 2002

Toshiaki Tabata

L.S.  
TOSHIAKI TABATA