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Substitute Form PTO-1595

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Please record the attached document.

<p>1. Names of all conveying parties:</p> <p>Kenji Kohno</p> <p>4-4-03</p> <p>Additional names attached: NO</p>	<p>2. Names and addresses of all receiving parties:</p> <p>DNAVEC Research Inc. 25-11, Kannondai 1-chome Tsukuba-shi, IBARAKI 305-085 JAPAN</p> <p>Additional names/addresses attached: NO</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment</p> <p><input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement</p> <p><input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: October 18, 1999</p>	<p>4. Application numbers or patent numbers:</p> <p>A. Patent Application Numbers: 09/355,405</p> <p>B. Patent Numbers:</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>James D. DeCamp, Ph.D., REG. NO. 43,580 Clark & Elbing LLP 101 Federal Street Boston, MA 02110 Customer No.: 21559</p>	<p>6. Total number of applications/patents involved: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00</p> <p><input checked="" type="checkbox"/> Fee enclosed</p> <p><input type="checkbox"/> Authorized to charge deposit account</p> <p>8. Deposit account number: 03-2095. If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to Deposit Account No. 03-2095.</p>

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9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document or a true copy thereof.*

James D. DeCamp
Name of person signing

James D. DeCamp
Signature

7 April 2003
Date

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PATENT TRADEMARK DEPT

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ASSIGNMENT

For valuable consideration, We,

Full Name of Assignor	City	State (and Country if not USA)
KENJI KOHNO	Nara-shi	NARA JAPAN

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
DNAVEC RESEARCH INC.	IBARAKI	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
KNOCKOUT ANIMALS	July 28, 1999	09/355,405

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 including 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 my name 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 Nara, Japan,
this 18 day of October, 1999

Kenji Kohno L.S.
KENJI KOHNO

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 19____

L.S.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 19____

L.S.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 19____

L.S.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____,
this _____ day of _____, 19____

L.S.