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Substitute Form PTO-159



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Attorney Docket Number: 50195/023003

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Colleen Coyne
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Colleen Coyne
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**RECORDATION FORM COVER SHEET
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Please record the attached document.

<p>1. Names of all conveying parties:</p> <p>Yoshimi Kuroiwa Kazuma Tomizuka Isao Ishida</p> <p>Additional names attached: NO</p>	<p>2. Names and addresses of all receiving parties:</p> <p>Kirin Beer Kabushiki Kaisha 10-1, Shinkawa 2-chome, Chuo-ku, Tokyo, 104-8288 JAPAN</p> <p>Additional names/addresses attached: NO</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: _____</p> <p>Execution Date: 02/11/04, 02/25/04, and 02/18/04, respectively.</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">OFFICE OF PUBLIC RECORDS 2004 MAY 17 AM 8:37 FINANCE SECTION</p>
<p>4. Application numbers or patent numbers:</p> <p>A. Patent Application Numbers: <u>10/705,519</u> 60/425,056 60/506,901</p>	<p>B. Patent Numbers:</p>
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Karen L. Elbing, Ph.D., REG. NO. 35,238 Clark & Elbing LLP 101 Federal Street Boston, MA 02110 Customer No.: 21559</p>	<p>6. Total number of applications/patents involved: 3</p> <p>7. Total fee (37 C.F.R. § 3.41): \$120.00 <input checked="" type="checkbox"/> Fee enclosed <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.*

Karen L. Elbing, Ph.D.
Name of person signing

Karen L. Elbing
Signature

13 May 2004
Date

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**PATENT
REEL: 015331 FRAME: 0986**

ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Yoshimi Kuroiwa	Sioux Falls	South Dakota
Kazuma Tomizuka	Takasaki-shi	Japan
Isao Ishida	Isehara-shi	Japan

have assigned, and by these presents do assign to

Full Name of Assignee	State of Incorporation	Business Address
Kirin Beer Kabushiki Kaisha	Tokyo, Japan	10-1, Shinkawa 2-chome, Chuo-ku, Tokyo, 104-8288 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
TRANSGENIC UNGULATES HAVING REDUCED PRION PROTEIN ACTIVITY AND USES THEREOF	November 10, 2003	10/705,519
TRANSGENIC UNGULATES HAVING REDUCED PRION PROTEIN ACTIVITY AND USES THEREOF	November 8, 2002	60/425,056
TRANSGENIC UNGULATES HAVING REDUCED PRION PROTEIN ACTIVITY AND USES THEREOF	September 26, 2003	60/506,901

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 _____,
this ____ day of _____, 20__.

YOSHIMI KUROIWA L.S.

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma, Japan
this 25th day of Feb., 2004.

Kazuma Tomizuka
KAZUMA TOMIZUKA L.S.

IN WITNESS WHEREOF, I hereto set my hand and seal at Tokyo, Japan
this 15th day of Feb, 2004.

Isao Ishida
ISAO ISHIDA L.S.

sent By: Hematech L.L.C;

ASSIGNMENT

deration, we,

Assignor	City	State (and Country if not USA)
Kuroiwa	Sioux Falls	South Dakota
ma Tomizuka	Takasaki-shi	Japan
ao Ishida	Isehara-shi	Japan

have assigned, and by these presents do assign to

Full Name of Assignee	State of Incorporation	Business Address
Kirin Beer Kabushiki Kaisha	Tokyo, Japan	10-1, Shinkawa 2-chome, Chuo-ku, Tokyo, 104-8288 JAPAN

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