

06-20-2002



Substitute Form PTO-

102128574

Attorney Docket Number: 50195008003

Certificate of Mailing: Date of Deposit June 3, 2002

I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to BOX ASSIGNMENT, Commissioner, United States Patent and Trademark Office, Washington, D.C. 20231.

Moya Kinnealey
Printed Name

Moya Kinnealey
Signature of Person Mailing Correspondence

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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</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: February 4, 2002; February 12, 2002; and February 4, 2002</p>	<p>RECEIVED JUN 15 AM 7:26</p>
<p>4. Application numbers or patent numbers:</p> <p>A. Patent Application Numbers: 09/988,115</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: 1</p> <p>7. Total fee (37 C.F.R. § 3.41): \$40.00 <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>

06/20/2002 DBYRNE 00000023 09988115

01 FC:581

40.00 BP

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 the attached is the original document.*

Karen L. Elbing, Ph.D. Signature
50195.008003 Recordation Cover Sheet for Kirin Beer.ypd

3 June 2002
Date



21559

PATENT TRADEMARK OFFICE

PATENT

REEL: 012994 FRAME: 0899

ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Yoshimi Kuroiwa	Takasaki	Japan
Kazuma Tomizuka	Takasaki	Japan
Isao Ishida	Isehara	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

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
EXPRESSION OF XENOGENOUS (HUMAN) IMMUNOGLOBULINS IN CLONED, TRANSGENIC UNGULATES	November 16, 2001	09/988,115

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 Gunma, Japan
this 13th day of Feb, 2002

Yoshimi Kuroiwa L.S.
Yoshimi Kuroiwa

IN WITNESS WHEREOF, I hereto set my hand and seal at Gunma, Japan
this 12th day of Feb., 2002

Kazuma Tomizuka L.S.
Kazuma Tomizuka

IN WITNESS WHEREOF, I hereto set my hand and seal at Tokyo, Japan
this 4th day of Feb, 2002

Isao Ishida L.S.
Isao Ishida