

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hematech, LLC	03/12/2007
RECEIVING PARTY DATA	
Name:	Kirin Beer Kabushiki Kaisha
Street Address:	10-1 Shinkawa 2-chome
Internal Address:	Chuo-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	104-8288
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	60657186
Application Number:	11111310
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	50195/038XXX
NAME OF SUBMITTER:	Karen L. Elbing
Total Attachments: 2	
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PATENT
REEL: 019020 FRAME: 0542

ASSIGNMENT

For valuable consideration, I,

Full Name of Assignor	City	State (and Country if not USA)
Hematech, LLC	Delaware	4401 S. Technology Drive Sioux Falls, SD 57106

hereby 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 me, identified as:

Title of Application	Filing Date	Serial Number
PRODUCTION AND CHARACTERIZATION OF PRION PROTEIN-DEFICIENT BOVINES	February 28, 2005	60/657,186
TRANSGENIC ANIMALS AND USES THEREOF	April 21, 2005	11/111,310

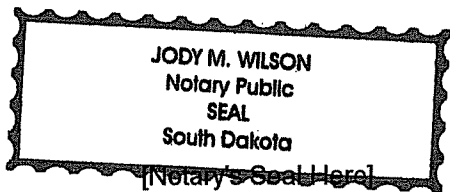
and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, 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 I 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 I agree for me and my 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 Hematech,
this 12 day of March, 2007.

James M. Robl L.S.
James M. Robl, Ph.D.
President & CSO
Hematech, Inc.
4401 S. Technology Drive
Sioux Falls, SD 57106

STATE OF South Dakota
COUNTY OF Minnehaha: :ss.

On this 12 day of March, 2007, before me, the undersigned notary public,
personally appeared James M. Robl, Ph.D., proved to me through satisfactory evidence of identification,
which consisted of Driver's License, to be the person whose name is subscribed to
the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed
for the purposes therein contained.



Jody M. Wilson
Notary Public

My Commission Expires: Nov. 10, 2009