

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sue K. DeNise</td> <td>11/28/2006</td> </tr> <tr> <td>Emily Oberg</td> <td>11/29/2006</td> </tr> <tr> <td>Bonita Ferrie</td> <td>11/29/2006</td> </tr> <tr> <td>David Rosenfeld</td> <td>11/28/2006</td> </tr> <tr> <td>Philip Chevalier</td> <td>11/28/2006</td> </tr> <tr> <td>Richard Kerr</td> <td>12/07/2006</td> </tr> <tr> <td>Michelle Hutton</td> <td>11/28/2006</td> </tr> </tbody> </table>		Name	Execution Date	Sue K. DeNise	11/28/2006	Emily Oberg	11/29/2006	Bonita Ferrie	11/29/2006	David Rosenfeld	11/28/2006	Philip Chevalier	11/28/2006	Richard Kerr	12/07/2006	Michelle Hutton	11/28/2006
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Michelle Hutton	11/28/2006																
RECEIVING PARTY DATA																	
Name:	MMI Genomics, Inc.																
Street Address:	1756 Picasso Avenue																
City:	Davis																
State/Country:	CALIFORNIA																
Postal Code:	95616																
PROPERTY NUMBERS Total: 1																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11601433</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11601433												
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CORRESPONDENCE DATA																	
Fax Number:	(858)677-1465																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	(858) 638-6756																
Email:	aldon.griffis@dlapiper.com																
Correspondent Name:	Lisa A. Haile, J.D., Ph.D.																
Address Line 1:	4365 Executive Drive, Suite 1100																
Address Line 2:	DLA Piper US LLP																
Address Line 4:	San Diego, CALIFORNIA 92121-2133																
ATTORNEY DOCKET NUMBER:	MMI1160-3																

CH \$40.00 11601433

PATENT

NAME OF SUBMITTER:

Lisa A. Haile, J.D., Ph.D.

Total Attachments: 5

source=MMI1160-3 Assignment (DeNise et al. to MMI Genomics, Inc.)#page1.tif

source=MMI1160-3 Assignment (DeNise et al. to MMI Genomics, Inc.)#page2.tif

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ASSIGNMENT

This assignment (“Assignment”) is made by Sue K. DeNise of Davis, California; Emily Oberg of Davis, California; Bonita Ferrie of Vacaville, California; David Rosenfeld of Sacramento, California; Philip Chevalier of West Sacramento, California; Richard Kerr of Davis, California and Michelle Hutton of Davis, California (collectively, the “Assignors”) to Assignee, MMI Genomics, Inc., a Delaware Corporation, (“Assignee”), having a place of business at 1756 Picasso Avenue, Davis, California 95616.

Recitals

A. Each of the Assignors has invented a new and useful invention entitled **METHOD AND MARKERS FOR DETERMINING THE GENOTYPE OF HORNED/POLLED CATTLE** for which an application for United States Letters Patent Application was filed **November 17, 2006** in the United States Patent and Trademark Office.

B. **Each of the Assignors authorizes and requests insertion of the serial number of the application when officially known:**

The United States Application Serial No.: 11/601,433 ;

C. Each of the Assignors believes the Assignors to be the original, first and joint inventors of the invention disclosed and/or claimed in the application for Letters Patent.

D. The parties desire to have a recordable instrument assigning from the Assignors to the Assignee the entire rights, title and interest in and to the invention, the application and all Letters Patent in the United States and throughout the world that may be granted or issued for the invention or that derive a right of priority from the application (including, without limitation, all divisional, continuation, continuation-in-part and continued prosecution applications thereof, and all reissues and reexaminations thereof, and all foreign counterparts thereof) (collectively, the “Invention Patents”).

Agreement

NOW, THEREFORE, in accordance with the obligations to assign the Invention Patents and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each of the Assignors agrees to the foregoing and as follows:

1. Each of the Assignors does and will sell, assign and transfer to Assignee, such Assignor's entire rights, title, and interest in and to each of the Invention Patents, including, without limitation, the rights to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

2. Each of the Assignors agrees that, upon request and without further compensation, but at no expense to such Assignor, such Assignor and such Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing each of the Invention Patents in the United States and throughout the world, and for perfecting, recording, or maintaining the title of Assignee, and Assignee's successors and assigns, in and to each of the Invention Patents in the United States and throughout the world. In the event that Assignee is unable for any reason to secure any of the Assignors' signatures to any document that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing each of the Invention Patents in the United States and throughout the world, or for perfecting, recording, or maintaining the title of Assignee, and Assignee's successors and assigns, in and to each of the Invention Patents in the United States and throughout the world, each such Assignor hereby irrevocably designates and appoints Assignee and Assignee's duly authorized officers and agents as such Assignor's agents and attorneys-in-fact to act for and on such Assignor's behalf and instead of such Assignor to execute such document, all with the same legal force and effect as if executed by such Assignor.


3. Each of the Assignors represents and warrants that such Assignor has not granted and will not grant to others either (1) any rights, title or interest in and to any of the Invention Patents, or (2) any rights inconsistent with the rights granted herein.

4. Each of the Assignors authorizes and requests the Assistant Commissioner for Patents of the United States and the various counterparts thereof throughout the world to issue and/or grant any Letters Patent granted for each of the Invention Patents to Assignee, its successors and assigns, as the assignee of the entire interest in such Invention Patents.

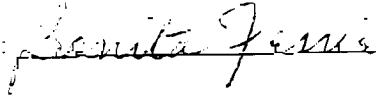
5. This Assignment constitutes the entire agreement with respect to its subject matter and supersedes all prior or contemporaneous oral or written agreements concerning such subject matter. No waiver, amendment, or modification of this Assignment shall be effective against the Assignee, unless in writing executed by a duly authorized representative of the Assignee. This Assignment shall be governed in all respects by the laws of the United States of America and by the laws of the state/province of California, as such laws are applied to agreements entered into and to be performed entirely within California between California residents. Each of the parties irrevocably consents to the exclusive personal jurisdiction of the federal and state courts located in California, as applicable, for any matter arising out of or relating to this Assignment, except that in any action seeking to enforce any order or any judgment of such federal or state courts located in California, such personal jurisdiction shall be nonexclusive. A breach of any of the promises or agreements contained herein will result in irreparable and continuing damage to Assignee for which there will be no adequate remedy at law, and Assignee shall be entitled to injunctive relief and/or a decree of specific performance, and such other relief as may be proper.


ATTORNEY DOCKET NO.:
MIMI1160-3

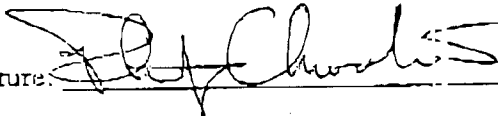
IN WITNESS WHEREOF, each of the Assignors has executed this Assignment
on the date(s) provided below.


Assignor: Sue K. DeNise
Date: November 28, 2006 Signature: 

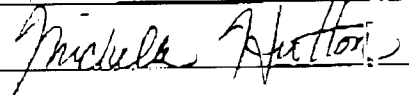
Assignor: Emily Oberg
Date: _____ Signature: _____

Assignor: Bonita Ferrie
Date: NOV 29, 2006 Signature: 

Assignor: David Rosenfeld
Date: NOV. 28, 2006 Signature: 

Assignor: Philip Chevalier
Date: November 28, 2006 Signature: 

Assignor: Richard Kerr
Date: December 7, 2006 Signature: 

Assignor: Michelle Hutton
Date: November 28, 2006 Signature: 

GTES11183.1
353398-63

IN WITNESS WHEREOF, each of the Assignors has executed this Assignment
on the date(s) provided below.

Assignor : Sue K. DeNise

Date: November 28, 2006

Signature: 

Assignor : Emily Oberg

Date: Nov 29 2006

Signature: 

Assignor : Bonita Ferrie

Date: _____

Signature: _____

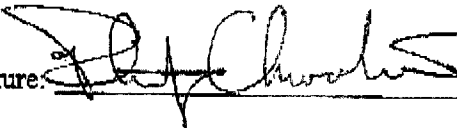
Assignor : David Rosenfeld

Date: Nov. 28, 2006

Signature: 

Assignor : Philip Chevalier

Date: November 28, 2006

Signature: 

Assignor : Richard Kerr

Date: _____

Signature: _____

Assignor : Michelle Hutton

Date: November 28, 2006

Signature: 