

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Charles F. Rosenkrans Jr.	03/13/2009
RECEIVING PARTY DATA	
Name:	The Board of Trustees of the University of Arkansas
Street Address:	2404 North University
City:	Little Rock
State/Country:	ARKANSAS
Postal Code:	72207
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12364145
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ATTORNEY DOCKET NUMBER:	013961-9039-US01 TKV
NAME OF SUBMITTER:	Tambryn K. Van Heyningen
Total Attachments: 2 source=B1750021#page1.tif source=B1750021#page2.tif	

OP \$40.00 12364145

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PATENT
REEL: 022438 FRAME: 0946

ASSIGNMENT

Pursuant to my obligation to THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS (hereinafter referred to as "Assignee"), having its principal place of business at:

2404 North University
Little Rock, AR 72207

and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, I:

Charles F. Rosenkrans, Jr.
2404 Dovie Street
Springdale, AR 72762

confirm my obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, my entire right, title and interest -

(1) in and to inventions described in a patent application titled "BOVINE POLYMORPHISMS AND METHODS OF PREDICTING BOVINE TRAITS" for which I filed United States Patent Application No. 12/364,145 on February 2, 2009 (Atty. File No. 013961-9039-US01) (hereinafter the "U.S. utility patent application") which application claims the benefit of United States Provisional Patent Application No. 61/025,582, filed February 1, 2008 (hereinafter the "U.S. provisional patent application") (Atty. File No. 013961-9039-US00);

(2) in and to the U.S. utility patent application, and the U.S. provisional patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, to the full end of the term or terms for which said patent or patents may be granted;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the U.S. utility patent application and the U.S. provisional patent application, and agree that any patent applications of any

foreign countries which may be filed shall be filed in the name of my Assignee with a claim to priority based on either or both of the U.S. utility patent application and the U.S. provisional patent application.

And I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said patent or patents to Assignee.

March 13, 2009
Date

Charles F. Rosenkrans, Jr.
Charles F. Rosenkrans, Jr.

State of Arkansas)
County of Washington)

I do hereby certify that Charles F. Rosenkrans, Jr., personally known to me to be the same person or persons who signed the foregoing instrument, appeared before me this day and acknowledged that said instrument was signed and delivered as the free and voluntary act of Charles F. Rosenkrans, Jr., for the uses and purposes therein set forth.

Given under my hand and seal, this 13th day of MARCH 2009.

Susie J. Engle
Notary Public

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Susie J. Engle
Notary Public
Washington County - Arkansas
Expires June 29, 2016
Commission No. 12349038