

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Micro Beef Technologies, Ltd.	10/31/2011
RECEIVING PARTY DATA	
Name:	MWI Veterinary Supply Co.
Street Address:	651 South Stratford
Internal Address:	Suite 100
City:	Meridian
State/Country:	IDAHO
Postal Code:	83642
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13562117
CORRESPONDENCE DATA	
Fax Number:	5035955301
Phone:	5035955300
Email:	Carolyn.Schlabach@klarquist.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Klarquist Sparkman, LLP
Address Line 1:	121 S.W. Samon Street
Address Line 2:	Suite 1600
Address Line 4:	Portland, OREGON 97204
ATTORNEY DOCKET NUMBER:	8799-70010-13
NAME OF SUBMITTER:	Gillian Gardner
Total Attachments: 7 source=MWI Assignment of Patents#page1.tif	

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ASSIGNMENT OF PATENTS

This ASSIGNMENT OF PATENTS ("Assignment") is made as of this 31st day of October, 2011 by and between MICRO BEEF TECHNOLOGIES, LTD. ("Assignor"), a Texas limited partnership whose general partner is Micro Beef Management LLC, a Texas limited liability company, and whose address is P.O. Box 9262, Amarillo, Texas, 79105, and MWI VETERINARY SUPPLY CO. ("Assignee"), an Idaho corporation with an address as 651 South Stratford, Suite 100, Meridian, Idaho 83642.

WHEREAS Assignor and Assignee have entered into an Asset Purchase Agreement, dated September 20, 2011 (the "Asset Purchase Agreement"), pursuant to which, among other things, Assignor has agreed to sell, assign, transfer, convey and deliver to Assignee, and Assignee has agreed to purchase from Assignor, the issued patents, patent applications and invention disclosures owned by Seller, including those patents and patent applications identified in Schedule A attached hereto (collectively, the "Patents").

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, Assignor hereby sells, assigns and transfers to Assignee all of Assignor's right, title and interest in and to the Patents, including all reissues, divisions, continuations, continuations-in-part, and extensions and foreign counterparts thereof, to be held and enjoyed by Assignee as fully and entirely as it would have been held and enjoyed by Assignor if this assignment had not been made, including all claims, demands and rights of recovery that Assignor has or may have in profits and damages for past and future infringements of the Patents, if any, and all rights to compromise, sue for, and collect such profits and damages.

Assignor shall execute such individual confirmatory assignment deeds, change of name or address certificates or other documents prepared by Assignee, at Assignee's expense, necessary for the effectuation or recordation of this Assignment.

Signature Page Follows

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This Assignment shall be effective as of the date first above written.

MICRO BEEF TECHNOLOGIES, LTD.
by Micro Beef Management, LLC

William C. Pratt

Name: William C. Pratt
Title: President

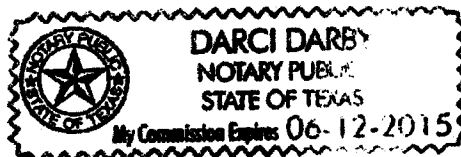
State of Texas

County of Potter

SS:

On this 3rd day of October, 2011, before me personally came William C. Pratt, to me known, who being duly sworn, did depose and say that s/he is President of Micro Beef Management, LLC, the general partner of Micro Beef Technologies, Ltd., a Texas limited partnership, and that s/he executed the above Assignment of Patents on behalf of said limited partnership with authority to do so.

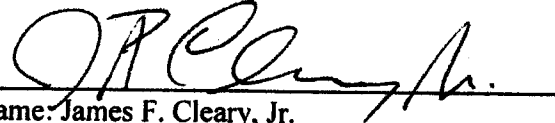
Darci Darby
Notary Public



[NOTARIAL SEAL]

US Assignment of Patents

MWI VETERINARY SUPPLY CO.


Name: James F. Cleary, Jr.
Title: President & CEO

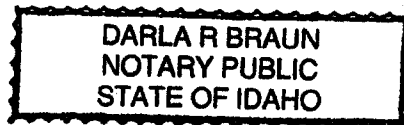
State of Idaho :
County of Ada : SS:

On this 31st day of October, 2011, before me personally came James F. Cleary, Jr., to me known, who being duly sworn, did depose and say that he is the President and CEO of MWI Veterinary Supply Co., an Idaho corporation, and that he executed the above Assignment of Patents on behalf of said corporation with authority to do so.


Notary Public

MY COMMISSION EXPIRES
April 4, 2015
BONDED THRU NOTARY PUBLIC UNDERWRITERS

[NOTARIAL SEAL]



US Assignment of Patents

SCHEDULE A

Issued Patents

Title	Patent Number/ Issue Date / Expiration Date	Owner of Record
Apparatus for administering live bacteria as feed additives to livestock and poultry	5,369,032 November 29, 1994 November 29, 2011	Micro Beef Technologies, Ltd.
Electronic cattle management system	5,673,647 October 7, 1997 October 31, 2014	Micro Beef Technologies, Ltd.
Method and apparatus for measuring internal tissue characteristics in feed animals	5,573,002 November 12, 1996 February 27, 2015	Micro Beef Technologies, Ltd.
System and method for recycling identification tags	6,131,744 October 17, 2000 May 2, 2017	Micro Beef Technologies, Ltd.
Automated system for measuring internal tissue characteristics in feed animals	5,836,880 November 17, 1998 February 27, 2015	Micro Beef Technologies, Ltd.
Cattle management method and system	6,000,361 December 14, 1999 October 31, 2014	Micro Beef Technologies, Ltd.
System and method for recycling identification tags	6,736,272 May 18, 2004 May 2, 2017	Micro Beef Technologies, Ltd.
Cattle management method and system	6,805,075 October 19, 2004 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,347,161 March 25, 2008 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,464,667 December 16, 2008 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,464,666 December 16, 2008 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,607,405 October 27, 2009 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,726,258 June 1, 2010 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,827,934 November 9, 2010 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,836,849 November 23, 2010 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle management method and system	7,748,345 July 6, 2010 October 31, 2014	Micro Beef Technologies, Ltd.
Method and system for	7,681,527	Micro Beef Technologies,

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tracking and managing animals and/or food products	March 23, 2010 July 30, 2028	Ltd.
Method and system for tracking and managing animals and/or food products	7,810,451 October 12, 2010 January 19, 2026	Micro Beef Technologies, Ltd.
Method and system for tracking and managing animals and/or food products	7,836,850 November 23, 2010 January 19, 2026	Micro Beef Technologies, Ltd.
Determining respiratory or circulatory health condition in animals for improved management	7,670,292 March 2, 2010 February 4, 2028	Micro Beef Technologies, Ltd.
Determining respiratory or circulatory health condition in animals for improved management	7,931,593 April 26, 2011 November 30, 2025	Micro Beef Technologies, Ltd.
Livestock management systems and methods	8,019,633 September 13, 2011 February 7, 2022	Micro Beef Technologies, Ltd.
Livestock management systems and methods	7,603,284 October 13, 2009 February 7, 2022	Micro Beef Technologies, Ltd.
Feedyard information system and associated method	6,082,304 July 4, 2000 July 8, 2018	Micro Beef Technologies, Ltd.
Method and apparatus for analyzing an ultrasonic image of a carcass	6,099,473 August 8, 2000 February 5, 2019	Micro Beef Technologies, Ltd.
Method and apparatus for positioning an ultrasonic transducer and a display screen	5,617,864 April 8, 1997 August 4, 2015	Micro Beef Technologies, Ltd.
Method and apparatus for positioning an ultrasonic transducer for longitudinal scanning of an animal or carcass	5,316,003 May 31, 1994 July 24, 2012	Micro Beef Technologies, Ltd.
Grading of poultry carcasses with ultrasound	5,303,708 April 19, 1994 July 27, 2012	Micro Beef Technologies, Ltd.
Ruminant Tissue Analysis At Packing Plants for Electronic Cattle Management And Grading Meat	6,200,210 March 13, 2001 November 12, 2016	Micro Beef Technologies, Ltd.
Cattle Management Method and System	6,135,055 October 24, 2000 October 31, 2014	Micro Beef Technologies, Ltd.
Cattle Management Method and System	6,318,289 November 20, 2001 October 31, 2014	Micro Beef Technologies, Ltd.
Ruminant Tissue Analysis At Packing Plants For Electronic Cattle Management	6,579,236 June 17, 2003 November 12, 2016	Micro Beef Technologies, Ltd.
Cattle Management Method And System	6,516,746 February 11, 2003 October 31, 2014	Micro Beef Technologies, Ltd.

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Pending Patent Applications

Title	Application Number / Filing Date	Owner of Record
Cattle management method and system	12/854,080 August 10, 2010	Micro Beef Technologies, Ltd.
Cattle management method and system	13/215,983 August 23, 2011	Micro Beef Technologies, Ltd.
Method and system for tracking and managing animals and/or food products	12/901,815 August 11, 2010	Micro Beef Technologies, Ltd.
Determining respiratory or circulatory health condition in animals for improved management	12/965,665 December 10, 2010	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/977,508 October 25, 2007	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/977,665 October 25, 2007	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/977,509 October 25, 2007	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/977,511 October 25, 2007	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/977,623 October 25, 2007	Micro Beef Technologies, Ltd.
Livestock management systems and methods	11/999,744 December 6, 2007	Micro Beef Technologies, Ltd.
Method and System for Tracking and Managing Animals and/or Food Products	13/230,486 9/12/11	Micro Beef Technologies, Ltd.

Expired Patents

Title	Patent Number/ Issue Date / Expiration Date	Owner of Record
Programmable weight sensitive micro-ingredient feed additive delivery system and method	4,733,971 March 29, 1988 February 26, 2006 (expired)	Micro Beef Technologies, Ltd.
Programmable apparatus and method for delivering weight sensitive micro-ingredient feed additives to animals by weight	4,815,042 March 21, 1989 March 21, 2006 (expired)	Micro Beef Technologies, Ltd.
Method and apparatus for administering live bacteria as feed additives to livestock and poultry	4,910,024 March 20, 1990 July 5, 2008 (expired)	Micro Beef Technologies, Ltd.
Process and system for assigning and delivering feed to animals in a feedlot	5,008,821 April 16, 1991 April 16, 2008 (expired)	Micro Beef Technologies, Ltd.
Programmable apparatus and method for delivering microingredient feed additives	4,889,433 December 26, 1989 December 26, 2006 (expired)	Micro Beef Technologies, Ltd.

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to animals by weight		
Programmable apparatus and method for delivering microingredient feed additives to animals by weight	RE34,776 November 8, 1994 March 21, 2006 (expired)	Micro Beef Technologies, Ltd.
Programmable apparatus and method for delivering microingredient feed additives to animals by weight	5,219,224 June 15, 1993 June 15, 2010 (expired)	Micro Beef Technologies, Ltd.
Method and system for providing health histories and tracking inventory of related drug usage	5,315,505 May 24, 1994 May 24, 2011 (expired)	Micro Beef Technologies, Ltd.
Method for maintaining and administering live probiotic bacteria as feed additives for animals	5,401,501 March 28, 1995 July 5, 2008 (expired)	Micro Beef Technologies, Ltd.
Programmable apparatus and method for delivering microingredient feed additives by weight	5,340,211 August 23, 1994 August 23, 2011 (expired)	Micro Beef Technologies, Ltd.
Method and system for providing animal health histories and tracking inventory of related drug usage	5,803,906 September 8, 1998 May 24, 2011 (expired)	Micro Beef Technologies, Ltd.
Method for providing animal health histories and tracking inventories of related drug usage	6,592,517 July 15, 2003 August 12, 2007 (expired)	Micro Beef Technologies, Ltd.
Detection of abnormal bone structure in animals and carcasses with ultrasound	5,140,988 8/25/1992 8/22/2011 (expired)	Micro Beef Technologies, Ltd.

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