
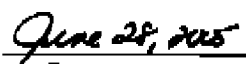
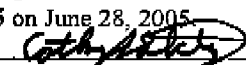


ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:		Date: June 28, 2005 Attorney Docket No. 5051.691
Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): [1.] Rodolphe Barrangou [2.] Todd R. Klaenhammer [3.] Eric Altermann Additional name(s) of conveying party(ies) attached? ___ Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): North Carolina State University Campus Box 8210 Raleigh, North Carolina Additional name(s) & address(es) attached? ___ Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: [1.] June 8, 2005 [2.] June 10, 2005 [3.] June 10, 2005		
4. Application Serial No. 10/873,467 If this document is being filed together with a new application, the execution date of the application is: _____ Additional numbers attached? ___ Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Mary L. Miller Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627	6. Total number of applications and patents involved: <u> 1 </u> 7. Total fee (37 CFR 3.41) <u> \$40.00 </u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-0220	
DO NOT USE THIS SPACE		
9. Statement and signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  _____ Mary L. Miller, Reg. No. 39,303 </div> <div style="text-align: center;">  _____ Date </div> </div> Total number of pages including cover sheet, attachments and document: <u> 12 </u>		
CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR § 1.8 I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office via facsimile number 703-306-5995 on June 28, 2005. <div style="text-align: center;">  _____ Cathy A. Schetzina </div>		

CH \$40.00 600220 10873467

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Rodolphe Barrangou**, a citizen of France; **Todd R. Klaenhammer**, a citizen of the United States of America; and **Eric Altermann**, a citizen of Germany;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **Lactobacillus Acidophilus Nucleic Acids Encoding Fructo-Oligosaccharide Utilization Compounds and Uses Thereof**, for which U.S. Provisional Application Serial No. 60/480,764 was filed on June 23, 2003, International Application Serial No. PCT/US04/019924 was filed on June 22, 2004, and U.S. Application Serial No. 10/873,467 was filed on June 22, 2004 in the United States Patent and Trademark Office; and

WHEREAS, North Carolina State University, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina, having a principal office at Campus Box 8210, City of Raleigh, County of Wake, State of North Carolina, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 8th day
of JUNE, 2005.

[Signature]

(SEAL)
Rodolphe Barrangou

STATE OF WI)
COUNTY OF Dane) ss:

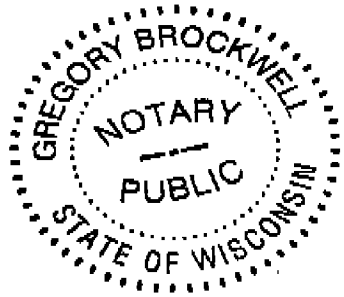
Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this 8th day of June, 2005.

[Signature]

Notary Public

SEAL

My Commission Expires: 6-7-2009



APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this ____ day
of _____, 2005.

____ (SEAL)
Todd R. Klaenhammer

STATE OF _____)
COUNTY OF _____) ss:

Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this ____ day of _____, 20__.

Notary Public

SEAL

My Commission Expires: _____

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this _____ day
of _____, 2005.

Eric Altermann (SEAL)

STATE OF _____)
) ss:
COUNTY OF _____)

Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this _____ day of _____, 20____.

Notary Public

SEAL

My Commission Expires: _____

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

ASSIGNMENT

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WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **Lactobacillus Acidophilus Nucleic Acids Encoding Fructo-Oligosaccharide Utilization Compounds and Uses Thereof**, for which U.S. Provisional Application Serial No. 60/480,764 was filed on June 23, 2003, International Application Serial No. PCT/US04/019924 was filed on June 22, 2004, and U.S. Application Serial No. 10/873,467 was filed on June 22, 2004 in the United States Patent and Trademark Office; and

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NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this _____ day
of _____, 2005.

_____ (SEAL)
Rodolphe Barrangou

STATE OF _____)
) ss:
COUNTY OF _____)

Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this _____ day of _____, 20____.

Notary Public

SEAL

My Commission Expires: _____

APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 10th day
of June, 2005.

[Signature] (SEAL)
Ted R. Klaenhammer

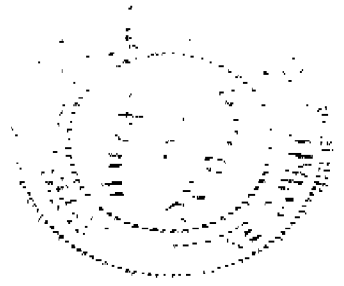
STATE OF NC)
COUNTY OF Wake) ss:

Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this 10th day of June, 2005.

[Signature]
Notary Public

SEAL

My Commission Expires: March 12, 2008



APPLICATION SERIAL NO. 10/873,467
ATTORNEY DOCKET NO. 5051-691

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 10th day
of June, 2005.


Eric Altermann

STATE OF NC)
COUNTY OF Wake) ss:

Before me personally appeared the person described in and who executed the
foregoing instrument, and s/he acknowledged to me that s/he executed the same for the
purposes therein stated, this 10th day of June, 2005.


Notary Public

SEAL

My Commission Expires: March 12, 2008

