PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Roy Curtiss III	04/23/2010
Melha Mellata	04/23/2010
Bereket Zekarias	04/08/2010
Zhaoxing Shi	04/28/2010
Christine Branger	05/12/2010
Kenneth Roland	04/23/2010

RECEIVING PARTY DATA

Name:	The Arizona Board of Regents for and on behalf of Arizona State University	
Street Address:	699 S. Mills Avenue	
Internal Address:	Suite 601, Room 691AA	
City:	Тетре	
State/Country:	ARIZONA	
Postal Code:	85281	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12681721

CORRESPONDENCE DATA

Fax Number: (314)231-1776

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 314-889-8000

Email: rendsley@polsinelli.com Correspondent Name: POLSINELLI SHUGHART PC Address Line 1: 100 South Fourth Street

Address Line 2: **Suite 1100**

501185303

Address Line 4: St. Louis, MISSOURI 63102-1825

ATTORNEY DOCKET NUMBER: 055743-410366

REEL: 024431 FRAME: 0389

PATENT

NAME OF SUBMITTER:	Rebecca L. Endsley, Paralegal
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, Roy Curtiss, III of Paradise Valley, Arizona; Melha Mellata of

Tempe, Arizona; Bereket Zekarias of Mesa, Arizona; Zhaoxing Shi of Tempe, Arizona;

Christine Branger of Phoenix, Arizona; and Kenneth Roland of Mesa, Arizona;

(hereinafter referred to as "ASSIGNOR"), own an invention (the "INVENTION") relating

to an improvement in RECOMBINANT BACTERIUM CAPABLE OF ELICITING A

PROTECTIVE IMMUNE RESPONSE AGAINST ENTERIC PATHOGENS (file No.

055743-410366 (M8-025)) and have executed an application for a United States patent

based thereon Serial No. 12/681,721 filed April 5, 2010;

AND, WHEREAS, The Arizona Board of Regents for and on behalf of Arizona

State University, a non-profit organization, having its principal place of business at 699

S. Mills Avenue, Suite 601, Room 691AA, Tempe, Arizona 85281 (hereinafter referred

to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration,

receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and do

hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest

in and throughout the United States of America (including its territories and

dependencies) and all countries foreign thereto in and to said INVENTION, said

APPLICATION, any other United States application (including divisional, continuing, or

reissue applications) based in whole or in part on said APPLICATION or in whole or in

part on said INVENTION, any foreign applications based in whole or in part on any of

the aforesaid United States applications or in whole or in part on said INVENTION, and

any and all patents (including extensions thereof) of any country which have been or

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may be granted on any of the aforesaid applications or on said INVENTION or any part

thereof;

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 ASSIGNOR had

no sale and assignment of said interest been made;

AND ASSIGNOR hereby authorize and request the Commissioner of Patents of

the United States of America to issue any and all United States patents which may be

granted upon said United States applications or any of them, or upon said INVENTION

or any part thereof, to said ASSIGNEE:

AND ASSIGNOR, their successors and assigns, hereby agree to execute without

further consideration any further lawful documents and any further assurances, and any

divisional, continuing, reissue, or other applications for patents of any country, that may

be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest

as aforesaid in and to said INVENTION or any part thereof, and in and to said several

patents or any of them;

AND ASSIGNOR hereby covenant and agree with said ASSIGNEE, its

successors and assigns, that ASSIGNOR has granted no right or license to make, use,

or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution

of this assignment, ASSIGNOR'S right, title and interest in said INVENTION have not

been otherwise encumbered, and that ASSIGNOR has not executed and will not

execute any instrument in conflict herewith.

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447022.1

Date <u>04-23-70</u>

ROY CUR/TISS, III

ACKNOWLEDGMENT

STATE OF Acizona) ss.

On this 3 day of April , 2010, before me, a Notary Public, personally appeared ROY CURTISS, III to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Mulida O Olla Notary Public

My Commission Expires: april 24,2012



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Date <u>04123/2540</u>

MELHA MELLATA

ACKNOWLEDGMENT

STATE OF Arizona	_)
county of Moricepa	_) SS _)

On this Z day of April ... 2010, before me, a Notary Public, personally appeared MELHA MELLATA to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Melyda O'Gell

Notary Public

My Commission Expires: Opril 24,2012

[SEAL]



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447022.1

Date <u>04/68/26/0</u>

BEREKETZEKARIAS

ACKNOWLEDGMENT

STATE OF CALL FORDIAL SE

On this 2 day of APLL., 2010, before me, a Notary Public, personally appeared BEREKET ZEKARIAS to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the fay and year first above written.

Notary Public

My Commission Expires:

4-11-2012 (SEAL)

COMM # 79853

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Date <u>Ayr. 28, 2010</u>	Zhaozing Shi
AC	CKNOWLEDGMENT
STATE OF	SS.
On thisday of	, 2010, before me, a Notary Public, personally to be the person described, in and who executed, the redged that he executed said instrument as his free
In Testimony Whereof, I ha the day and year first above writter	ve hereunto set my hand and affixed my official seal
Notary Public	
My Commission Expires:	
(SEAL)	

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Date	<u></u>	May.	
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CHRISTINE BRANGER

ACKNOWLEDGMENT

STATE OF __FRANCE__) SS. COUNTY OF __VERTO U___

On this 12 day of _______, 2010, before me, a Notary Public, personally appeared CHRISTINE BRANGER to me to be the person described, in and who executed, the foregoing assignment and acknowledged that he executed said instrument as his free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public

My Commission Expires:

[SEAL]

CKISTING BRAHGET

l'our le Maine et par délégation Officien d'Exat Civil Franco de VIAIIO

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Date 4/23/2010 /Comety ble/
KENNETH ROLAND
ACKNOWLEDGMENT
STATE OF Arizona)
STATE OF Arizona ss.
On this Briday of horizon, 2010, before me, a Notary Public, personally appeared KENNETH ROLAND to me to be the person described, in and who executed the foregoing assignment and acknowledged that he executed said instrument as his
free act and deed.
In Testimony Whereof, I have hereunto set my hand and affixed my official sea the day and year first above written.
melide O'Dell
Notary Public
My Commission Expires: april 24, 2012
[SEAL]
OFFICIAL SEAL MELINDA O'DELL Notary Public - State of Arizona MARICOPA COUNTY My Comm. Expires April 24, 2012

[END OF DOCUMENT]

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RECORDED: 05/24/2010