

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Krishna Murthy Ella	11/10/2008
Victor Jerusha Augustus Harshavardhan Gutla	11/10/2008
Krishna Mohan Vadrevu	11/10/2008
Smita Singhania	12/29/2008

RECEIVING PARTY DATA

Name:	Bharat Biotech International Limited
Street Address:	Genome Valley, Turkapally Shameerpet
City:	Hyderabad
State/Country:	INDIA
Postal Code:	500 078

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12227250

CORRESPONDENCE DATA

Fax Number: (215)851-1420  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 215-851-8100  
Email: philpdocketing@reedsmith.com  
Correspondent Name: Nanda P.B.A. Kumar  
Address Line 1: 1650 Market Street  
Address Line 2: 2500 One Liberty Place  
Address Line 4: Philadelphia, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:

08-40326-US

NAME OF SUBMITTER:

Nanda P.B.A. Kumar

Total Attachments: 6

PATENT

500764648

REEL: 022163 FRAME: 0319

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## ASSIGNMENT

WHEREAS, we, the undersigned inventors, whose post office addresses are set forth below, have invented and own a certain invention entitled:

A COMPOSITION USEFUL AS A VACCINE for which an application was filed on May 11, 2007 and has been assigned the Application No. PCT/IN2007/000190 and

WHEREAS, **Barat Biotech International Limited**, having a place of business at Genome Valley, Turkapally Shameerpet, Hyderabad 500 078 India, hereinafter referred to as ASSIGNEE, which ASSIGNEE is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

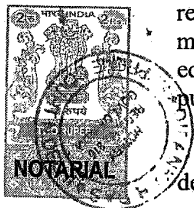
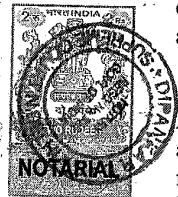
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

WE HEREBY SELL, ASSIGN AND TRANSFER to ASSIGNEE the full and exclusive right, title and interest to said invention, in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

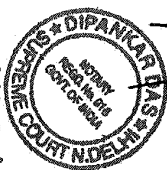
WE HEREBY REPRESENT AND WARRANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER REPRESENT AND WARRANT that we will provide promptly to ASSIGNEE, upon ASSIGNEE's request, all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

This Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original, all of which shall constitute one and the same Assignment.



IN TESTIMONY WHERE OF  
I HAVE HEREUNTO SET  
MY HAND AND AFFIXED  
THE SEAL, NEW DELHI, INDIA  
ON 10 NOV 2008



DIPANKAR DAS  
ADVOCATE, SOLICITOR  
& NOTARY PUBLIC  
SUPREME COURT  
NEW DELHI-110001 (INDIA)

*Co-Deponent*  
I Identity the Executant/Deponent  
who has Signed in My Presence

MY COMMISSION EXPIRES  
ON 8th SEPTEMBER 2010

PATENT

REEL: 022163 FRAME: 0321

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 11 day of NOV 2008.

Signature:

Name Printed:

Post Office Address:

Krishna Murthy Ella

c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

SIGNATURE ATTESTED

NEW DELHI

CITY OF ~~INDIA~~

) ss.

COUNTRY OF India)

BE IT KNOWN, that on this 11 day of NOV 2008, before me personally came Krishna Murthy Ella, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

IN TESTIMONY WHEREOF  
I ATTEST AND SIGN  
WITH MY OFFICE SEAL



ATTESTED

*[Signature]*

DIPANKAR DAS  
ADVOCATE  
NOTARY PUBLIC  
REGD. NO. 916  
GOVT. OF INDIA  
14, LAWYERS' CHAMBER  
SUPREME COURT OF INDIA  
NEW DELHI

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 11 day of NOV 2008.

Signature:

Name Printed:

Post Office Address:

Notary Public

Victor Jerusha Augustus Harshavardhan Gutla

c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

SIGNATURE ATTESTED

NEW DELHI

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Victor Jerusha Augustus Harshavardhan Gutla, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

10 NOV 2008

IN TESTIMONY WHEREOF  
I ATTEST AND SIGN  
WITH MY OFFICE SEAL

Signature: \_\_\_\_\_

Name Printed: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Krishna Mohan Vadrevu

Krishna Mohan Vadrevu

c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

SIGNATURE ATTESTED

as per



NEW DELHI

CITY OF Delhi

) ss.

COUNTRY OF India)

10 NOV 2008

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Krishna Mohan Vadrevu, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

ATTESTED

DIPANKAR DAS  
ADVOCATE  
NOTARY PUBLIC  
REGD. NO. 916  
GOVT. OF INDIA  
14, LAWYERS' CHAMBER,  
SUPREME COURT OF INDIA  
NEW DELHI

Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Signature: \_\_\_\_\_

Name Printed: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Smita Singhania

c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

CITY OF Hyderabad)

) ss.

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Smita Singhania, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Notary Public

## ASSIGNMENT

WHEREAS, we, the undersigned inventors, whose post office addresses are set forth below, have invented and own a certain invention entitled:

A COMPOSITION USEFUL AS A VACCINE for which an application was filed on May 11, 2007 and has been assigned the Application No. PCT/IN2007/000190 and

WHEREAS, **Bharat Biotech International Limited**, having a place of business at Genome Valley, Turkapally Shameerpet, Hyderabad 500 078 India, hereinafter referred to as ASSIGNEE, which ASSIGNEE is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

WE HEREBY SELL, ASSIGN AND TRANSFER to ASSIGNEE the full and exclusive right, title and interest to said invention, in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

WE HEREBY REPRESENT AND WARRANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER REPRESENT AND WARRANT that we will provide promptly to ASSIGNEE, upon ASSIGNEE's request, all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

This Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original, all of which shall constitute one and the same Assignment.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_ day of \_\_\_\_\_, 2008.

Signature: \_\_\_\_\_  
Name Printed: Krishna Murthy Ella  
Post Office Address: c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

CITY OF Hyderabad)

) ss.

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Krishna Murthy Ella, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_ day of \_\_\_\_\_, 2008.

Signature: \_\_\_\_\_  
Name Printed: Victor Jerusha Augustus Harshavardhan Gutla  
Post Office Address: c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

CITY OF Hyderabad)

) ss.

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Victor Jerusha Augustus Harshavardhan Gutla, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this \_\_\_\_ day of \_\_\_\_\_, 2008.

Signature: \_\_\_\_\_  
Name Printed: Krishna Mohan Vadrevu  
Post Office Address: c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

CITY OF Hyderabad)

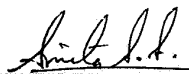
) ss.

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Krishna Mohan Vadrevu, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day of December, 2008.

Signature:   
Name Printed: Smita Singhania  
Post Office Address: c/o Bharat Biotech International Limited  
Genome Valley, Turkapally Shameerpet,  
Hyderabad 500 078 India

CITY OF Hyderabad)

) ss.

COUNTRY OF India)

BE IT KNOWN, that on this \_\_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came Smita Singhania, known to me to be the person mentioned in and who executed the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

\_\_\_\_\_  
Notary Public