

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3891100

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|---|-------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| PRADIP KUMAR SASMAL | 08/21/2014 |
| SHAHADAT AHMED | 08/25/2014 |
| ASHOK TEHIM | 01/06/2015 |
| VIDYADHAR PARADKAR | 08/21/2014 |
| PRASANNA M. DATTATREYA | 08/21/2014 |
| NANJEGOWDA JAGADEESH MAVINAHALLI | 01/13/2015 |
| RECEIVING PARTY DATA | |
| Name: | DR. REDDY'S LABORATORIES LTD. |
| Street Address: | 8-2-337, ROAD NO. 3 |
| Internal Address: | BANJARA HILLS |
| City: | HYDERABAD |
| State/Country: | INDIA |
| Postal Code: | 500034 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15164430 |
| CORRESPONDENCE DATA | |
| Fax Number: | (908)654-7866 |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | |
| Phone: | (908) 654-5000 |
| Email: | assignment@lernerdavid.com |
| Correspondent Name: | LDLK&M |
| Address Line 1: | 600 SOUTH AVENUE WEST |
| Address Line 4: | WESTFIELD, NEW JERSEY 07090 |
| ATTORNEY DOCKET NUMBER: | REDDYP 3.3-032 DIV CON |
| NAME OF SUBMITTER: | MELINDA C. CORMIER |
| SIGNATURE: | /Melinda C. Cormier/ |
| DATE SIGNED: | 05/26/2016 |

Total Attachments: 6

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ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

REDDYPP 3.3-032 (E)

Whereas, I, Pradip Kumar Sasmal ofBlock, 2B/Flat 706, SMR Vinay City, Miyapur, Andhra Pradesh, Hyderabad 500 049, INDIAhereafter referred to as assignor, have with others invented certain new and useful improvements in
**SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE
(TRK) INHIBITORS**☒ for which an application for a United States Letters Patent was filed on June 11, 2014
Application Number 14/364,451☐ for which an application for a United States Letters Patent was executed by me on _____☒ for which an International Application was filed on December 12, 2012, as
PCT/IB2012/003012, designating the United States.

And

Whereas, Dr. Reddy's Laboratories Ltd.a corporation of India herein referred to as "assignee" whose mailing address is8-2-337, Road No. 3, Banjara Hills, Hyderabad, 500 034, INDIA

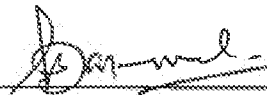
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

August 21, 2014

Date



Pradip Kumar Sasmal

Sarmistha Sharma

Witness

SARMISTHA SHARMA

Typed Name of Witness

☒ *Total of 6 forms are submitted.

PATENT

REEL: 038727 FRAME: 0807

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

REDDYPP 3.3-032 (E)

Whereas, I, Shahadat Ahmed ofHouse No. Q1002, Purva Fountain Square, Marathahalli, Kamataka, Bangalore 560 037, INDIAhereafter referred to as assignor, have with others invented certain new and useful improvements in
**SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE
(TRK) INHIBITORS**☒ for which an application for a United States Letters Patent was filed on June 11, 2014Application Number 14/364,451☐ for which an application for a United States Letters Patent was executed by me on _____☒ for which an International Application was filed on December 12, 2012, asPCT/IB2012/003012, designating the United States.

And

Whereas, Dr. Reddy's Laboratories Ltd.a corporation of India herein referred to as "assignee" whose mailing address is8-2-337, Road No. 3, Banjara Hills, Hyderabad, 500 034, INDIA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

25082014

Date

Sesha Kumar G

Witness

G. V. S. Sesha Kumar

Typed Name of Witness

Shahadat Ahmed☒ *Total of 6 forms are submitted.

PATENT

REEL: 038727 FRAME: 0808

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

REDDYPP 3.3-032 (E)

Whereas, I, Ashok Tehim of246 N. Walnut St., Ridgewood, New Jersey 07450

hereafter referred to as assignor, have with others invented certain new and useful improvements in
**SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE
 (TRK) INHIBITORS**

☒ for which an application for a United States Letters Patent was filed on June 11, 2014
Application Number 14/364,451
☐ for which an application for a United States Letters Patent was executed by me on _____,

☒ for which an International Application was filed on December 12, 2012, as
PCT/IB2012/003012, designating the United States.

And

Whereas, Dr. Reddy's Laboratories Ltd.a corporation of India herein referred to as "assignee" whose mailing address is8-2-337, Road No. 3, Banjara Hills, Hyderabad, 500 034, INDIA

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

January 06, 15

Date

Ashok Tehim

Ashok Tehim

Marcus Andrews

Witness

Marcus Andrews

Typed Name of Witness

☒*Total of 6 forms are submitted.

PATENT

REEL: 038727 FRAME: 0809

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|--|--|
| ASSIGNMENT OF UTILITY APPLICATION | Docket Number (Optional) REDDYPP 3.3-032 (E) |
|--|--|

Whereas, I, Vidyadhar Paradkar (Vidgadhur Paradkar) of
 3 Pine Ridge Drive, Branchburg, New Jersey 08878
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
**SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE (TRK)
 INHIBITORS**

☒ for which an application for a United States Letters Patent was filed on June 11, 2014
 Application Number 14/384,451

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed December 12, 2012, as
PCT/IB2012/003012, designating the United States.

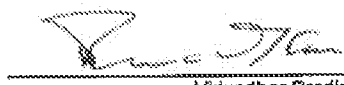
And

Whereas, Dr. Reddy's Laboratories Ltd.
 a corporation of India herein referred to as "assignee" whose mailing address is
8-2-337, Road No. 3, Banjara Hills, Hyderabad, 500 034, INDIA
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof
 is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said
 assignee my entire right, title and interest for the United States of America and all other countries in and to said
 invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue
 applications and patents applied for or granted therefor in the United States of America and all other countries, for
 said invention, including without limitation all applications and patents for said invention claiming priority or benefit of
 the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past
 infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and
 legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and
 Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to
 said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal
 representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver
 all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all
 assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts
 known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other
 legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make
 all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to
 obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne
 and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application
 when known.

Aug 21, 2014
 Date


 Vidyadhar Paradkar
 Vidyadhar Paradkar

Alka Paradkar
 Witness
 Alka Paradkar
 Typed Name of Witness

☒ *Total of 6 forms are submitted.

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

REDDYPP 3.3-032 (E)

Whereas, I, Prasanna M. Dattatreya ofFlat 101, 100 H.I.G. Mayuri Enclave, Mayuri Nagar Miyapur, Andhra Pradesh, Hyderabad 500 049,
INDIAhereafter referred to as assignor, have with others invented certain new and useful improvements in
SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE
(TRK) INHIBITORS

- ☒ for which an application for a United States Letters Patent was filed on June 11, 2014
Application Number 14/364,451
- ☐ for which an application for a United States Letters Patent was executed by me on _____
- ☒ for which an International Application was filed on December 12, 2012, as
PCT/IB2012/003012, designating the United States.

And

Whereas, Dr. Reddy's Laboratories Ltd.a corporation of India herein referred to as "assignee" whose mailing address is8-2-337, Road No. 3, Banjara Hills, Hyderabad, 500 034, INDIA

is desirous of acquiring the entire right, title and interest in the same,

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

August 21, 2014

Date

Prasanna M. Dattatreya

Prasanna M. Dattatreya

Sarmistha Sharma

Witness

SARMISTHA SHARMA

Typed Name of Witness

PATENT

REEL: 038727 FRAME: 0811

| | |
|--|--|
| ASSIGNMENT OF UTILITY APPLICATION | Docket Number (Optional) REDDYPP 3.3-032 (E) |
|--|--|

Whereas, I, Nanjegowda Jagadeesh Mavinahalli of
#1742, 12th main, 31st cross, Banashankari 2nd Stage, Karnataka, Bangalore 560 070, INDIA
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
SUBSTITUTED PYRAZOLO[1,5-A] PYRIDINE AS TROPOMYOSIN RECEPTOR KINASE
(TRK) INHIBITORS

☒ for which an application for a United States Letters Patent was filed on June 11, 2014
 Application Number 14/364,451

☐ for which an application for a United States Letters Patent was executed by me on _____

☒ for which an International Application was filed on December 12, 2012, as
PCT/IB2012/003012, designating the United States.

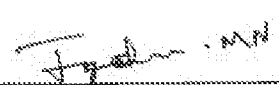
And

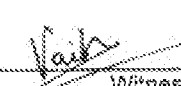
Whereas, Dr. Reddy's Laboratories Ltd.
 a corporation of India herein referred to as "assignee" whose mailing address is
8-2-337, Road No. 3, Banara Hills, Hyderabad, 500 034, INDIA
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00), the receipt whereof
 is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said
 assignee my entire right, title and interest for the United States of America and all other countries in and to said
 invention and the aforesaid utility patent application and all original, divisional, continuation, substitute or reissue
 applications and patents applied for or granted therefor in the United States of America and all other countries, for
 said invention, including without limitation all applications and patents for said invention claiming priority or benefit of
 the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of past
 infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and
 legal representatives, and including the right to claim such priority or benefit and the Commissioner of Patents and
 Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to
 said assignee herein, as assignee of the entire interest therein, and the undersigned for me and my legal
 representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver
 all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all
 assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts
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 legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make
 all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to
 obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne
 and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application
 when known.

13/1/15
 Date


 Nanjegowda Jagadeesh Mavinahalli


 Witness

Dr. Vaibhav Jain
 Typed Name of Witness

☒ *Total of 6 forms are submitted.

PATENT

RECORDED: 05/26/2016

REEL: 038727 FRAME: 0812