03/27/2017 504291824

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4338505

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------|----------------|
| CHUNHAO YANG | 10/19/2016 |
| LINGHUA MENG | 10/19/2016 |
| YANHONG CHEN | 10/19/2016 |
| XIANG WANG | 10/19/2016 |
| CUN TAN | 10/19/2016 |
| JIAPENG LI | 10/19/2016 |
| JIAN DING | 10/19/2016 |
| YI CHEN | 10/19/2016 |

RECEIVING PARTY DATA

| Name: | SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES |
|-------------------|---|
| Street Address: | 555 ZUCHONGZHI ROAD |
| Internal Address: | ZHANGJIANG, PUDONG |
| City: | SHANGHAI 201203 |
| State/Country: | CHINA |
| Name: | SHANGHAI HAIHE PHARMACEUTICAL CO., LTD. |
| Street Address: | 421 NIUDUN ROAD |
| Internal Address: | PUDONG NEW AREA |
| City: | SHANGHAI 201203 |
| State/Country: | CHINA |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15269069 |

CORRESPONDENCE DATA

Fax Number: (617)646-8646

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.

Phone: 617-646-8000

patents_YahuaC@wolfgreenfield.com Email:

YAHUA CHEN **Correspondent Name:**

PATENT

REEL: 041754 FRAME: 0130 504291824

Address Line 1: WOLF, GREENFIELD & SACKS, P.C.

Address Line 2: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: X0025.70008US00

NAME OF SUBMITTER: JENNIFER A. DAVIS

SIGNATURE: /Jennifer A. Davis/

DATE SIGNED: 03/27/2017

Total Attachments: 9

source=X002570008US00-ASSI-YJC#page1.tif source=X002570008US00-ASSI-YJC#page2.tif source=X002570008US00-ASSI-YJC#page3.tif source=X002570008US00-ASSI-YJC#page4.tif source=X002570008US00-ASSI-YJC#page5.tif source=X002570008US00-ASSI-YJC#page6.tif source=X002570008US00-ASSI-YJC#page7.tif

source=X002570008US00-ASSI-YJC#page8.tif source=X002570008US00-ASSI-YJC#page9.tif

PATENT REEL: 041754 FRAME: 0131

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to Shanghai Institute of Materia Medica, Chinese Academy of 1. Sciences, having a place of business at 555 Zuchongzhi Road Zhangjiang Pudong; Shanghai 201203; PEOPLE'S REPUBLIC OF CHINA, and Shanghai Haihe Pharmaceutical Co., Ltd., having a place of business at 421 Niudun Road Pudong New Area; Shanghai 201203; PEOPLE'S REPUBLIC OF CHINA, their successors, assigns and legal representatives, all hereinafter referred to as the Assignees, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 19, 2016 under Serial No. 15/269,069, bearing Attorney Docket No. X0025.70008US00, and entitled PYRROLO[2,1-F][1,2,4]TRIAZINE COMPOUNDS, PREPARATION METHODS AND APPLICATIONS THEREOF, and in and to the application and all corresponding non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
- 2. Agree that the Assignees may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in their own name; and when requested, without charge to but at the expense of the Assignees, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignees all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignees shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignees;
- 3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignees;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignees that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
- 6. Appoint Assignees, through their designees, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Attorney Docket No. X0025.70008US00

Page 1 of 9

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

| Oct. 17, 2016 | | Chimical 7 |
|-----------------|--------------|--|
| Date | Inventor: | Chunhao Yang |
| | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
| | | Shanghai 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| | | |
| Witness: | | |
| Dut. 19. 2016 | <u> </u> | Carter Zhang |
| Date / | Signature | v |
| | Name: | Xiaofei Zhong 555 Zuchongshi Poad Zhangjiang Padong, Shanghai Zo1203. PEOPLE'S |
| | Address: | |
| | , Address. | 333 Zuchongski Hoad Zhang ang |
| • | | fudong, Shanghai Zo1203. PEOPLE'S |
| | | |
| | | REPUBLIC OF CHINA |
| | | |
| Witness: | | |
| Oct · 19. 2016. | | Tiangi Wang |
| Date | Signature | J |
| | Name: | Tiangi Wang |
| | Address: | The zuchmathi Road Thomationa Rudon |
| | | 555 Zuchungzhi Road Zhongjiang Pudon |
| | | Shanghai 201203 |
| | | |
| | | PEOPLE'S REPUBLIC OF CHINA. |
| | | |
| | | |

Attorney Docket No. X0025.70008US00

Page 2 of 9

| $\frac{\cot \cdot 1}{\text{Date}} = \frac{1}{10000000000000000000000000000000000$ | | Comp |
|---|--------------|--|
| Date | Inventor: | Linghua Meng |
| · · · · · · · · · · · · · · · · · · · | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
| | | Shanghai 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| | | |
| | | |
| Witness: | | 1 |
| Oct. 19, 2016 | | The contract of |
| Date | Signature | , 200 |
| | | XI ZHANG |
| | Name: | <u> </u> |
| | Address: | 555 Zuchongzhi Road zhangjiang Pudong Shanghai 201203 PEOPLE'S REPUBLIC OF CHINA |
| | | P. Jane Claudei 201203 |
| | | rudony shanghai 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | | |
| Witness: | | |
| | | M |
| Oct. 19. 2016 | Signature | wang bo bo |
| Date | Signature | • |
| | Name: | Bobo Wang |
| | Address: | 555 Zuchong zhi Road zhang jiang |
| | • | Pu dong Shonghai 20102 |
| | | 250015/6 777 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | | |

Page 3 of 9

| Oct. 19. 2016 | Yanhong chen |
|---------------|---|
| Date | Inventor: Yanhong Chen |
| | Address: 555 Zuchongzhi Road Zhangjiang Pudong |
| | Shanghai 201203 |
| | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: People's Republic of China |
| | |
| | |
| | |
| Witness: | |
| Oct. 19. 2016 | <u>Chen</u> Zhou |
| Date | Signature |
| | Name: Chen Zhou |
| | Address: Hts Zuchong zhi Road Zhangjiang Puclong |
| | Shang hai 201203 |
| | PEOPLE'S REPUBLIC OF CHINA |
| Witness: | |
| Oct. 19 2016 | YJ Wen |
| Date | Signature |
| | Name: Yi Wen |
| | Address: 155 Zuchong zho Road Zhangjuang Pudone |
| | Address: 155 Zuchong zhw Road Zhangjwang Pudong Shanghaw 201203 |
| | PEOPLE'S REPUBLIC OF CHINA. |
| | |
| | |

Page 4 of 9

| | Audiess. | 555 Zuchongzhi Hoad Zhangjiang Fudong | |
|-----------------------|--------------|---|--------|
| | | Shanghai 201203 | |
| | | PEOPLE'S REPUBLIC OF CHINA | |
| | Citizenship: | People's Republic of China | |
| | | | |
| | | | |
| | | | |
| Witness: | | | |
| nc-e 19 3016 | | Gwwei | |
| 000 19 , 7016 Date | Signature | | |
| | .0 | | |
| | Name: | cuowei | |
| | Address: | ttr = 1 = 1 \ 10 1 1 1 | |
| | Address. | 555 Zuchong zhi Road zhangijiang | - |
| | | Puolong Shanghai 201203 | |
| | | Peoples Republic of china. | |
| 1 | ; | Teoples 12 () | |
| | | · | |
| Witness: | | | |
| Oct . 19 . 2016 | Yid | Lao Xu | |
| Date | Signature | | |
| | | Yichao Xu | |
| | Name: | <u> </u> | |
| | Address: | III Znchonazhi Road Zhangiliana | Pudong |
| | | (landa) | J |
| | | shanghan 20120s | |
| | • | 555 Znchongzhi Road Zhangjiang Shanghai 201203 People's Republic of China | |
| | | | |
| | | | |

Out .19. Noth

Page 5 of 9

| | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
|--------------------------------|--------------|---|
| | | Shanghai 201203 |
| • | | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| | | |
| Witness: | | |
| 0.1 | | $\rho_{i} = \gamma I$ |
| <u>Uct</u> . 19 . 2016 Date | Signature | Brn Zhang |
| | | |
| | Name: | Brn Zhang |
| | Address: | 555 Zuchongzhi Road Zhamjiang |
| | | Puclong Shanghat 201203 |
| | | |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | | |
| Witness: | | |
| Oct . 19. 2016 | | Tjang Bo |
| Date | Signature | J |
| | Name: | Tiang Bo |
| | | - |
| | Address: | _555 Zuchongzhi Road Zhangjiong |
| | | 555 Zuchongzhi Road Zhangjiong Puolong Shanghai 201203 |
| | | PEODLE'S REPUBLIC OF CHINA |
| | | VEDULES KEPUDLIC OF CHIM |

Inventor: Cun

Attorney Docket No. X0025.70008US00

0cl. 19. 2016 Date

Page 6 of 9

| Oct. 19, 296 | inventor: | Jiapeng Li Jiapeng Li |
|-----------------------|--------------|--|
| | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
| | | Shanghai 201203 PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| Witness: Oct. 19, vvb | _ <u></u> | Therei |
| Date | Signature | 8 |
| | Name: | XI ZHANG |
| | Address: | |
| | | Pudong Shanghai 29/203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| Witness: | | |
| Oct. 19. 2016 | _ Che | enghai Dr |
| Date | Signature | |
| | Name: | Chenghui Vu |
| | Address: | () |
| | | Shanghair 201203 |
| | | PROPLE'S REPUBLIC OF CHINA |
| | | |

Page 7 of 9

| 000,19,2016 | | J- Wing. |
|-----------------|--------------|--|
| Date | Inventor: | Jian Ding |
| | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
| | | Shanghai 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| | | |
| | | |
| Witness: | | |
| Oct. 19. 2016 | | Yuxiang Wang |
| Date | Signature | |
| | | |
| | Name: | Yuxiang Wang |
| | Address: | |
| | | 307 Zuchvagzar 12000 Znon- 11 min |
| | | Pudang Shangha; 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA. |
| | | |
| Witness: | | |
| · | | 1 2 21 |
| Dat , 19 . 2016 | Ciamatura | Juajie Shi |
| Date | Signature | |
| | Name: | Jua jie Shi |
| | | |
| | Address: | 555 24 changeling Road Changilan |
| | | Pudang Shows has 20120} |
| | | Pudeng Shanghai >01203 People's Republic of China |
| | | respie ; require of vario |
| | | |

Page 8 of 9

| | Address: | 555 Zuchongzhi Road Zhangjiang Pudong |
|---------------|--------------|---|
| | | Shanghai 201203 |
| | | PEOPLE'S REPUBLIC OF CHINA |
| | Citizenship: | People's Republic of China |
| | | |
| | | |
| | | |
| Witness: | | () |
| Oct. 19, 2016 | 0 | yanyan Shen |
| Date | Signature | |
| | Name: | yanyan Shen |
| | Address: | 555 Zuchonezhi Road Zhangjiang |
| | | D. J. C. C. C. D. |
| | • | lunong Shanghai 201203 |
| | | Prople's REPUBLIC OF CHINA |
| | | |
| Witness: | | |
| Dct 19 2016 | | Y: Su |
| Date | Signature | |
| | | |
| | Name: | Yi Sw |
| | Address: | 555 Zuchongzhi Road Zhangjiang Puden |
| | | |
| | | Shanghai 201203 People's Republic of China |
| | | resples Republic of China |
| | | |
| | * . | |
| | | |
| | | |

Page 9 of 9

PATENT REEL: 041754 FRAME: 0140

RECORDED: 03/27/2017

5027693.1

Attorney Docket No. X0025.70008US00

Oct. 19, 2016

Date