506211005 08/19/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Omar A. Abdelrahman	07/22/2020
Limin Ren	07/23/2020

RECEIVING PARTY DATA

Name:	REGENTS OF THE UNIVERSITY OF MINNESOTA	
Street Address:	600 MCNAMARA ALUMNI CENTER	
Internal Address:	200 OAK STREET SE	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55455-2020	

PROPERTY NUMBERS Total: 5

Property Type	Number
Application Number:	16337600
Application Number:	62410919
Application Number:	62410922
Application Number:	62419202
Application Number:	62419247

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: +1 512-226-8156

Email: dragonetti@fr.com, apsi@fr.com

Correspondent Name: HEATHER L. FLANAGAN
Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	09531-0406US1	
NAME OF SUBMITTER:	JAKE DRAGONETTI	
SIGNATURE:	/Jake Dragonetti/	
DATE SIGNED:	08/19/2020	

506211005 PATENT REEL: 053538 FRAME: 0692

Total Attachments: 6

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PATENT REEL: 053538 FRAME: 0693



University of Minnesota ASSIGNMENT

WHEREAS, I, Omar A. Abdelrahman, have invented certain new and useful inventions in FORMING DIENES FROM CYCLIC ETHERS AND DIOLS, INCLUDING TETRAHYDROFURAN AND 2-METHYL-1,4-BUTANEDIOL, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Provisional application no. 62/410,919 on October 21, 2016; Provisional application no. 62/419,202 on November 8, 2016; Provisional application no. 62/419,202 on November 8, 2016; Provisional application no. 62/419,247 on November 8, 2016; PCT/US2017/054550 on September 29, 2017; and Utility application no. 16/337,600 on March 28, 2019 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries,

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

PATENT

REEL: 053538 FRAME: 0694

and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

I have hereunto set my hand on

July 22, 2020 | 4:19 PM CDT

DocuSigned by:

Omar A. Abdelrahman

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

I have hereunto set my hand on, July 22, 2020 | 5:59 PM CDT _____, on behalf of Assignee Regents of the University of Minnesota accepting this assignment.

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REGENTS OF THE UNIVERSITY OF MINNESOTA

Sout Kandhashi

OFB835187311411...
Carol Grutkoski

Chief of Staff and Operations Manager per Presidential Delegation ID 257866

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

PATENT



University of Minnesota assignment

WHEREAS, I, Limin Ren, have invented certain new and useful inventions in FORMING DIENES FROM CYCLIC ETHERS AND DIOLS, INCLUDING TETRAHYDROFURAN AND 2-METHYL-1,4-BUTANEDIOL, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Provisional application no. 62/410,919 on October 21, 2016; Provisional application no. 62/419,202 on November 8, 2016; Provisional application no. 62/419,247 on November 8, 2016; PCT/US2017/054550 on September 29, 2017; and Utility application no. 16/337,600 on March 28, 2019 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries,

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

PATENT

REEL: 053538 FRAME: 0697

and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

I have hereunto set my hand on

July 23, 2020 | 2:08 AM CDT

/ Docusigned by

Limin Ren

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

I have hereunto set my hand on, July 23, 2020 | 6:36 AM CDT ______, on behalf of Assignee Regents of the University of Minnesota accepting this assignment.

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REGENTS OF THE UNIVERSITY OF MINNESOTA

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Carol Grutkoski

Chief of Staff and Operations Manager per Presidential Delegation ID_257866

Attorney Docket Number 09531-0406US1 UM Case No. 20170037

PATENT

REEL: 053538 FRAME: 0699