504508448 08/17/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| MITSUO SHIBUTANI | 08/14/2017 |
| MASAHIRO SAITO | 08/09/2017 |

RECEIVING PARTY DATA

| Name: | THE NIPPON SYNTHETIC CHEMICAL INDUSTRY CO., LTD. | |
|-----------------|--|--|
| Street Address: | 2-4, KOMATSUBARA-CHO, KITA-KU, OSAKA-SHI | |
| City: | OSAKA | |
| State/Country: | JAPAN | |
| Postal Code: | 530-0018 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15029363 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | P50026 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | SEAN MYERS-PAYNE |
| SIGNATURE: | /Sean Myers-Payne/ |
| DATE SIGNED: | 08/17/2017 |

Total Attachments: 3

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PATENT 504508448 REEL: 043321 FRAME: 0515

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ASSIGNMENT

WHEREAS, **Mitsuo SHIBUTANI**, a citizen of JAPAN, whose post office address is c/o The Nippon Synthetic Chemical Industry Co., Ltd. 2-4, Komatsubara-cho, Kita-ku,Osaka-shi, Osaka 530-0018, JAPAN, and **Masahiro SAITO**, a citizen of JAPAN, whose post office address is c/o Nippon Synthetic Chemical Industry Co., Ltd. 2-4, Komatsubara-cho, Kita-ku,Osaka-shi, Osaka 530-0018, JAPAN, hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

CROSSLINKABLE POLYMER

for which an application for Letters Patent in the United States entered the National Stage in the United States Patent and Trademark Office on April 14, 2016 and was awarded Application No. 15/029,363, and which Application is a National Stage of International Application No. PCT/JP2013/078750, filed October 17, 2013.

AND WHEREAS, THE NIPPON SYNTHETIC CHEMICAL INDUSTRY CO., LTD., a corporation organized and existing under the laws of JAPAN, whose post-office address is 2-4, Komatsubara-cho, Kita-ku, Osaka-shi, Osaka 530-0018, JAPAN, hereinafter known as the ASSIGNEE, is desirous of acquiring an equal undivided interest in the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof.

NOW, THIS WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor and all rights to sue for past and future infringement thereunder, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations, and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee

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acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEES, their assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNOR(S), on the respective date(s) indicated below.

| First Witness: | |
|-----------------|------------------|
| (Name) | |
| (Date) | Witsus Skilwan |
| | Mitsuo SHIBUTANI |
| Second Witness: | Date 8/14/2017 |
| (Name) | |
| (Date) | |

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|-----------------|----------------|
| First Witness: | |
| (Name) | |
| (Tunity) | |
| (Date) | Masahiro Saito |
| | Masahiro SAITO |
| Second Witness: | Date 8/9/2017 |
| (Name) | |
| (Date) | |