504449074 07/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4495775

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| HOWARD A. COLVIN | 07/06/2017 |

RECEIVING PARTY DATA

| Name: | COOPER TIRE AND RUBBER COMPANY | |
|-----------------|--------------------------------|--|
| Street Address: | 701 LIMA AVENUE | |
| City: | FINDLAY | |
| State/Country: | ОНЮ | |
| Postal Code: | 45840 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15542528 |

CORRESPONDENCE DATA

Fax Number: (216)363-9001

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: 216.363.9000

Email: uspto@faysharpe.com
Correspondent Name: FAY SHARPE LLP

Address Line 1: 1228 EUCLID AVENUE, 5TH FLOOR

Address Line 2: THE HALLE BUILDING
Address Line 4: CLEVELAND, OHIO 44115

| ATTORNEY DOCKET NUMBER: | COOP 201101US01 |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | GEORGEEN B. SONNTAG |
| SIGNATURE: | /gbs/ |
| DATE SIGNED: | 07/10/2017 |

Total Attachments: 2

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PATENT 504449074 REEL: 042952 FRAME: 0571

Attorney Docket No. COOP 201101US01

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned, **Howard A. Colvin**

who has created a certain invention for which an application for United States Letters Patent has been

| | | executed concurrently herewith |
|------|------------------------|---|
| | | executed on |
| | $\overline{\boxtimes}$ | filed as U.S. Serial No. 62/102,211 on January 12, 2015 |
| | \boxtimes | filed as International Application No. PCT/US2016/013043 on January 12, |
| 2016 | | |

and is entitled

NATURAL RUBBER COMPOUNDS WITH SILICA AND USE WITH TIRES

Do hereby sell, assign and transfer to COOPER TIRE AND RUBBER COMPANY, a corporation of the State of Delaware, having a place of business at 701 Lima Avenue, Findlay, OH, 45840, (hereinafter Assignee) its successors, assigns, and legal representatives, the full and exclusive right, title, and interest in and to said invention and said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, reexaminations, extensions thereof, and all other forms of protection relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties;

Agree that said Assignee may apply for and receive Letters Patent for said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reexaminations, reissues, and extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

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Consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

Signed at Find by Ohis, on this day of July, 2017.

STATE OF

COUNTY OF

Personally appeared before me this day, the above named Howard A. Colvin, to me personally known, who acknowledged that he signed the foregoing instrument for the uses and purposes therein mentioned, and that the same is his free act and deed. In testimony whereof, I have hereunto set my hand and affixed my seal, this $\underline{\psi^{+k}}$ day



Kin Blenk

KIM L. BLUNK

Notary Public State of Ohio

My Commission Expires: 9-8-17

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RECORDED: 07/10/2017