

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | TRENT L. CARPENTER | 02/06/2020 |
| RECEIVING PARTY DATA | | |
| Name: | KOYO BEARINGS NORTH AMERICA LLC | |
| Street Address: | 7 RESEARCH DRIVE | |
| City: | GREENVILLE | |
| State/Country: | SOUTH CAROLINA | |
| Postal Code: | 29607 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 16630694 | |
| CORRESPONDENCE DATA | | |
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| <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> | | |
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| Correspondent Name: | KENNETH C. BRULEY | |
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| ATTORNEY DOCKET NUMBER: | 035883/09133-PCT-US | |
| NAME OF SUBMITTER: | KENNETH C. BRULEY | |
| SIGNATURE: | /Kenneth C. Bruley/ | |
| DATE SIGNED: | 02/12/2020 | |
| Total Attachments: 4 | | |
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ASSIGNMENT

WHEREAS, I, Trent L. Carpenter, of Anderson, South Carolina (the "Inventor"), have invented certain new and useful improvements in **THRUST BEARING CAGE WITH SHORTENED FLANGE**, for which a Patent Cooperation Treaty (PCT) international application was filed on July 21, 2017 and assigned International Application No. PCT/US2017/043319, and for which a United States patent application was filed on January 13, 2020 and assigned Application No. 16/630,694; and

WHEREAS, KOYO BEARINGS NORTH AMERICA LLC, a corporation of the State of Delaware, having an address of 7 Research Drive, Greenville, South Carolina 29607 (hereinafter together with its successors and assigns referred to as "the Assignee"), is desirous of acquiring the right, title and interest in and to said inventions and any and all patents resulting therefrom, including any foreign patents.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, the Inventor acknowledges the sale, transfer, and assignment, and do hereby sell, assign and transfer, unto Assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid applications, in any form or embodiment thereof, and in and to the aforesaid applications, and in and to any patent, utility model or similar applications (including original applications, divisional applications, continuation and continuation-in-part applications) filed in the United States and any foreign country based thereon or otherwise directed to said invention or inventions, including the right to file said foreign applications under


the provisions of any international convention, which includes the right to claim priority under the Paris Convention for the Protection of Industrial Property and/or any other international convention or agreement of local law, regulation, or provision for the making of a priority claim; also in and to any improvements on said invention or inventions now or hereafter made by the Inventor while providing services to Assignee and any such applications directed thereto filed in the United States or any foreign country, including the right to claim priority under the Paris Convention for the Protection of Industrial Property and/or any other international convention or agreement or local law, regulation, or provision; also in and to any and all patents, utility models, or similar granted rights, including all reexaminations, reissues, or extensions thereof, to be obtained in this or any foreign country upon said invention, inventions, or improvements, including any patents, utility models or similar rights issuing from the aforesaid applications, and the Inventor hereby authorizes and requests the issuing authority to issue any and all patents, utility models, or similar rights on said application or applications to Assignee as assigned of the entire interest.

Further, the Inventor agrees that he will communicate to Assignee all facts known to him respecting said invention, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce patent or related intellectual property rights for said invention or inventions in the United States and in any and all foreign countries.

IN WITNESS WHEREOF, KOYO BEARINGS NORTH AMERICA LLC and the Inventor have caused this Assignment to be executed as of the dates indicated below.

KOYO BEARINGS NORTH AMERICA LLC

Date: February 6, 2020

By: 

Name: William A. Dammers

Title: Senior General Manager – Bearing
Engineering Shared Services

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6th day
of February, 2020.

Trent L. Carpenter
Trent L. Carpenter

STATE OF South Carolina
COUNTY OF Greenville

Personally appeared before me, Trent L. Carpenter, to me known and known to me to be
the person described and who executed the foregoing instrument and acknowledged the same to
be his act and deed in and for the purposes set forth in said instrument this 6th day of
February, 2020.

Heather Stone
Notary Public for South Carolina

My Commission Expires: June 19, 2029

