

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4839656

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAKASHI KAWAI	02/13/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NTN CORPORATION
<b>Street Address:</b>	3-17, KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15755158
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)721-8250
<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>	
<b>Phone:</b>	2027218200
<b>Email:</b>	WLP@WENDEROTH.COM
<b>Correspondent Name:</b>	WENDEROTH, LIND & PONACK, L.L.P.
<b>Address Line 1:</b>	1030 15TH STREET NW
<b>Address Line 2:</b>	SUITE 400 EAST
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	2018-0258A
<b>NAME OF SUBMITTER:</b>	SARAH PEDERSEN
<b>SIGNATURE:</b>	/SARAH PEDERSEN/
<b>DATE SIGNED:</b>	02/26/2018
<b>Total Attachments: 2</b>	
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source=executed assignment#page2.tif	

# ASSIGNMENT

In consideration of good and valuable consideration paid to each of the undersigned

Insert Name(s) Takashi KAWAI  
of Inventor(s) \_\_\_\_\_  
\_\_\_\_\_

Insert Name(s) the undersigned hereby sell(s) and assign(s) to  
of Assignee(s) NTN CORPORATION  
Address of 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, Osaka, Japan  
\_\_\_\_\_

Title of (hereinafter designated as the Assignee) the entire right, title and interest for the  
Invention United States as defined in 35 USC 100, in the invention known as  
RETAINER AND TAPERED ROLLER BEARING

The undersigned agree(s) to execute all papers necessary in connection with this application for patent in the USPTO for the invention, and any continuation, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any post-grant proceeding which may occur in connection with this application or continuation, divisional or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such post-grant proceeding.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, which includes the right to claim priority and the right to be granted a patent in any PCT Contracting State.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the USPTO to issue any and all Letters Patents of the United States resulting from said application or any continuation, divisional or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and covenant(s) that the undersigned have not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of Wenderoth Lind & Ponack, L.L.P., the power to insert on this document any further identification which may be necessary or desirable.

Executed by the undersigned on the date(s) opposite the undersigned name(s).

Takashi Kawai  
(Signature)

February 13, 2018  
(Date)

Witness (optional) \_\_\_\_\_

Witness (optional) \_\_\_\_\_

The above application may be more particularly identified as follows:

U.S. Application Serial No.:   
Applicant Reference Number:

Filing Date:   
Attorney Docket No: