

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4190631

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TAKESHI SHIMASAWA	12/05/2016
NAOKI NAKAGAWA	12/05/2016
TSUNEAKI HIRAOKA	12/05/2016
SHINTARO SUZUKI	12/05/2016
TATSURO SUGIYAMA	12/05/2016
MASAZUMI KOBAYASHI	12/05/2016
RECEIVING PARTY DATA	
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Postal Code:	550-0003
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15319619
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NAME OF SUBMITTER:	JANAE GALLUN
SIGNATURE:	/Janae Gallun/
DATE SIGNED:	12/19/2016

Total Attachments: 2

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ASSIGNMENT

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

Insert Name(s) Takeshi SHIMASAWA
of Inventor(s) Naoki NAKAGAWA
Tsuneaki HIRAOKA
Shintaro SUZUKI
Tatsuro SUGIYAMA
Masazumi KOBAYASHI

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 550-0003, 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
METHOD FOR MANUFACTURING OUTER JOINT MEMBER FOR
CONSTANT-VELOCITY UNIVERSAL JOINT AND OUTER JOINT MEMBER

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).

<u>Takeshi SHIMASAWA</u> (Signature) Takeshi SHIMASAWA	<u>December 5, 2016</u> (Date)
<u>Naoki NAKAGAWA</u> (Signature) Naoki NAKAGAWA	<u>December 5, 2016</u> (Date)
<u>Tsuneaki HIRAOKA</u> (Signature) Tsuneaki HIRAOKA	<u>December 5, 2016</u> (Date)
<u>Shintaro SUZUKI</u> (Signature) Shintaro SUZUKI	<u>December 5, 2016</u> (Date)
<u>Tatsuro SUGIYAMA</u> (Signature) Tatsuro SUGIYAMA	<u>December 5, 2016</u> (Date)
<u>Masazumi KOBAYASHI</u> (Signature) Masazumi KOBAYASHI	<u>December 5, 2016</u> (Date)

Witness (optional) _____

Witness (optional) _____

The above application may be more particularly identified as follows:

U.S. Application Serial No.: _____
Applicant Reference Number: FP2015-036US-N

Filing Date: _____
Attorney Docket No. _____