JJL.	6.	2010	3:56PV
			AL

581- JW

07-27-2010

	IAP15	Rec'd PCT	/PTO 23	SEP 2008
--	--------------	-----------	---------	----------

ER SHEET

U.S. DEPARTMENT OF COMMERCE

NO.0071 P. 4

· ·	•		
To the	Honorable	Accietant	Secretary

103602950

se record the attached original document(s) or copy(ies) thereof.

Name and address of receiving party(ies): Name of conveying party(ics): Hirokazu OOBA and Keisuke SONE Name: NTN CORPORATION Additional name(s) of convoying party(ies) attached? No Address: 3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, 3. Nature of conveyance: Osaka 550-0003, Japan X Assignment Merger Security Agreement Change of Name Additional name(s) & address(es) attached? No Other Execution Date: September 5, 2008 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>September 5, 2008</u> Patent Application No.(s) B. Patent No.(s) NEW, filed September 23, 2008 Additional numbers attached? No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: 1 document should be mailed: Name: WENDEROTH, LIND & PONACK, L.L.P. Total fee (37 CFR 3.41).....\$40.00 Attn: David M. Ovedovitz, Esq. X Enclosed (Check No. 87558 Street Address: 2033 K Street, N.W., Suite 800 Authorized to be charged to deposit account 8. Deposit account number: 23-0975 City: Washington, State: DC ZIP: 20006-1021 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. David M. Ovedovitz, Reg. No. 45,336 September 23, 2008 Name of Person Signing Signature Date Total number of pages including cover sheet: 3 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with required cover sheet information:

Commissioner and Assistant Scoretary of Patents and Trademarks Box Assignments

Alexandria, VA 22313

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

40.00 OF

DOCKET NO. 2008_1736A

04 FC:8921 The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new application

ATTACHMENT E

PATENT

REEL: 024749 FRAME: 0762

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s)

Hirokazu OOBA and Keisuke SONE

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) of Assignee(s) Address

Insert Name(s) NTN CORPORATION

of 3-17. Kvomechibori 1-chome, Nishi-ku, Osaka-shi, Osaka 550-0003, Japan

(hereinafter designated as the Assignce) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention

PIXED CONSTANT-VELOCITY UNIVERSAL JOINT

for which an application for patent in the United States has been executed by the undersigned

Date of Signing of Application

on <u>September 5, 2008</u>

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, 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 interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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.

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 Assigner.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undereigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

name(s).	undersigned on the date(s) opposite the undersigned
Date September 5 2008 , Name	of the Inventor Hirotogu COBA
	Hirker OOBA of the Inventor Feische Sone
Date September 5. 2008, Name	of the Inventor <u>Feiseke Jone</u> Keisuke SONE
Date, Name	of the inventor
Datc, Name	of the inventor
Date, Name	of the Inventor
Date Name	of the Inventor
Date, Name	of the Inventor
then the execution by the Inventor(s) should	be acknowledged before a United States Consul. If not, d be witnessed by at least two witnesses who sign here.) Nahajima John Merchen
WILLIES TO SUCCESSION OF THE PROPERTY OF THE P	
Witness Masur	Jakoski
ACKN	OWLEDGMENT
}	OWLEDGMENT
} s	Si de la constant de
This day of personally came the above-named me person	EŞ
This day of personally came the above-named me person foregoing assignment, who did acknowledge	s , 20, before me mally known as the individuals who executed the
This day of personally came the above-named me personally came the above-named me personal foregoing assignment, who did acknowledge free will for the purposes therein set forth.	s, 20, before me mally known as the individual(s) who executed the ; to me that he (they) executed the asme of his (their) own
This day of personally came the above-named me personally came the above-named me personal foregoing assignment, who did acknowledge free will for the purposes therein set forth.	y 20, before me mally known as the individual(s) who executed the to me that he (they) executed the same of his (their) own. Official Signature
This day of personally came the above-named me personally came the above-named me personally came the above-named me personally for the purposes therein set forth. SEAL The above application may be more	y 20, before me mally known as the individual(s) who executed the to me that he (they) executed the same of his (their) own Official Signature Official Title particularly identified as follows:
This day of personally came the above-named me personally came the above-named me personally came the above-named me personally for the purposes therein set forth. SEAL The above application may be more	particularly identified as follows:

2

Title of Invention FIXED CONSTANT-VELOCITY UNIVERSAL JOINT