Form PTO-1595 (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/2005)	S-2006 -	U.S. Department of COMMERCE United States Patent and Trademark Office	
f		HDP Docket No. 6340-000073	
		Express Mail Label No. EV 853 856 281 US (5/10/2006)	
To the Director of the U.S. Patents and 1032:	38051 <u>.</u>	uments or the new address(es) below.	
Name of conveying party(ies)/Execution Date(s): Kazuhisa Shigeoka	Name and address Name: NTN Corporat	s of receiving party(ies) විද්ය tion	
)	Internal Address:		
Execution Date(s) April 20, 2006 Additional name of conveying party(ies) attached? Yes No		113238 (11/43)	
3. Nature of conveyance:	Street Address: 3-17	, 1-chome, Kyomachibori, Nishi-ku	
 ✓ Assignment ✓ Merger ✓ Change of Name 	City: Osaka		
Government Interest Assignment	State:		
☐ Executive Order 9424, Confirmatory License	Country: Japan	Zip <u>:</u>	
☐ Other		address(es) attached? ☐ Yes ☑ No	
4. Application number(s) or patent number(s): This document is being filed together with a new application.			
A. Patent Application No.(s) Additional numbers atta	B. Patent No.(s) 05/12/2006 HMARZ 04 FC:8021 ached? Yes No) ZII 00000065 11431222 40.00 Qp	
Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of ap	plications and patents involved: One	
Name: W. R. Duke Taylor	7. Total fee (37 CFR 1.	.21(h) & 3.41) \$ <u>40.00</u>	
Internal Address: Harness, Dickey & Pierce, P.L.C.	☐ Authorized to b	oe charged by credit card	
	☐ Authorized to b	pe charged to deposit account	
Street Address: P.O. Box 828	☑ Enclosed		
City: Bloomfield Hills	☐ None required	(government interest not affecting title)	
State; MI Zip: 48303	8. Payment Information	on	
Phone Number: 248-641-1600	a. Credit Card		
Fax Number: 248-641-0270	h Dancait Ac	Expiration Date count Number 08-0750	
Email Address:		User Name	
9. Signature :		May 10, 2006	
W. R. Duke Taylor		Date number of pages including cover attachments, and documents	

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

Atty. Docket No.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

BEARING APPARATUS FOR A WHEEL OF VEHICLE

(a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney); (b) executed on , and assigned Serial No. or PCT international Application No. international Application No. (c) filed on single filed on singl			DEFINITION OF A THEEL OF THEEL
Assignment on the same day as he/she signs the Declaration and Power of Attorney); (b)	for which As	signor is	about to make or has made United States or International application for patent
(c)	(a)		Assignment on the same day as he/she signs the Declaration and Power of
International Application No	(b)		executed on,;
e) entitled above and naming the undersigned inventors in this provisional patent application; and WHEREAS, NTN Corporation, a Japanese corporation, having a place of business at 3-17, 1-chome, Kyomachibori, Nishi-ku, Osaka, Japan, hereinafter referred to as Assignee, is desirous of acquiring an interest therein: NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom; Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation, in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, researchant in the said invention, the United States application regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to result for the purpose of protecting title and to the said invention, the United States application for Patents and Trademarks to issue said setter	(c)		filed on, and assigned Serial No or PCT International Application No;
whereas, NTN Corporation, a Japanese corporation, having a place of business at 3-17, 1-chome, Kyomachibori, Nishl-ku, Osaka, Japan, hereinafter referred to as Assignee, is desirous of acquiring an interest therein: NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesald application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom; Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation, or extension thereof, and or substitute thereof, and as to letters patent any reissue, reexamination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to restlify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth; Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict wit	(d)		U.S. Patent No, issued; or
1-chome, Kyomachibori, Nishi-ku, Osaka, Japan, hereinafter referred to as Assignee, is desirous of acquiring an interest therein: NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of sald applications or patents resulting therefrom; Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to result in support thereof, for the benefit of Assignee without further or other compensation than that above set forth; Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and Assignor hereby authorizes the Commissioner of Patents and Trade	(e)		
whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom; Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, reexamination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to resultly in support thereof, for the benefit of Assignee without further or other compensation than that above set forth; Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant pat	1-chome, Ky	romachib	ori, Nishi-ku, Osaka, Japan, hereinafter referred to as Assignee, is desirous of
requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, resxamination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to resilfy in support thereof, for the benefit of Assignee without further or other compensation than that above set forth; Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue said effects Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee. Assignor hereby authorizes my attorney to insert here in parentheses (Application ————————————————————————————————————	whereof is h Assignee an States of Am United State the aforesaid enjoyed by A extensions to assignment :	nereby action its such and any its Pa any its Pa applicar Assignee thereof as and sale	knowledged, Assignor by these presents does sell, assign and transfer unto cessors in interest, the full and exclusive right, title and interest in the United d all foreign countries, including the right to claim priority under the laws of the ris Convention, and any foreign countries, to the said invention as described in tion, said application for patent and all Letters Patent therefor to be held and to the full end of the term for which said Letters Patent are granted and any fully and entirely as the same would have been held by Assignor had this not been made, and the right to recover for past infringements of, or liabilities
Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee. Assignor hereby authorizes my attorney to insert here in parentheses (Application No, filed) the filing date and application number of said	requested fo States and continuation- examination, and to the sa testify in sup	or the main all for in-part, of external invention of the content	king and prosecution of any applications of any type for patent in the United reign countries including, but not limited to, any provisional, continuation, livisional, renewal or substitute thereof, and as to letters patent any reissue, resion thereof, and for litigation regarding, or for the purpose of protecting title tion, the United States application for patent, or Letters Patent therefor, and to
Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee. Assignor hereby authorizes my attorney to insert here in parentheses (Application No	Assig Hilw to need	gnor here se entere	by covenants that no assignment, sale or agreement or encumbrance has d into which would conflict with this Assignment; and
No, filed) the filing date and application number of said	Letters Pater country or ca applications	nt of the ountries as afore	United States of America to Assignee, and requests that any official of any foreign to the United States, whose duty it is to issue or grant patents and said, to issue said Letters Patent, Utility Model Registration or Inventor's
	vo		, filed) the filing date and application number of said

Page 1 of 1

ASSIGNMENT

Kazuhisa Shigeoka
Kazuhisa Shigeoka
April, 20, 2006

Page 2 of 2

PATENT REEL: 017863 FRAME: 0181

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OMB No. 0651-0027	(exp. 6/30/2005)

U.S. Department of COMMERCE United States Patent and Trademark Office

RECORDATION FORM COVER SHEET

HDP Docket No. 6340-000073 PATENTS ONLY Express Mail Label No. EV 853 856 281 US (5/10/2006) To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies)/Execution Date(s): 2. Name and address of receiving party(ies) Kazuhisa Shigeoka Name: NTN Corporation Internal Address: Execution Date(s) April 20, 2006 Additional name of conveying party(ies) attached? ☐ Yes ☒ No Street Address: 3-17, 1-chome, Kyomachibori, Nishi-ku 3. Nature of conveyance: \boxtimes Assignment Merger City: Osaka Security Agreement Change of Name ☐ Government Interest Assignment Country: Japan Zip: Executive Order 9424, Confirmatory License Other ____ Additional Name(s) & address(es) attached?

Yes

No This document is being filed together with a new application. 4. Application number(s) or patent number(s): B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached?
Yes
No 6. Total number of applications and patents involved: One 5. Name and address of party to whom correspondence concerning this document should be mailed: Name: W. R. Duke Taylor 7. Total fee (37 CFR 1.21(h) & 3.41) Internal Address: Harness, Dickey & Pierce, P.L.C. Authorized to be charged by credit card Authorized to be charged to deposit account Street Address: P.O. Box 828 ■ None required (government interest not affecting title) City: Bloomfield Hills 8. Payment Information State: MI Zip: <u>48303</u> a. Credit Card Last 4 Numbers Phone Number: 248-641-1600 Expiration Date ___ Fax Number: 248-641-0270 b. Deposit Account Number 08-0750 Email Address: Authorized User Name _____ 9. Signature : May 10, 2006

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Signature

Name of Person Signing

RECORDED: 05/10/2006

W. R. Duke Taylor

REEL: 017863 FRAME: 0182

Date

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