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APR 29 2005

Attorney Docket No. 100725-00147  
Date: April 29, 2005

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

- 1) Tatsuya YAMASAKI  
2) Takehito SAKURAI

Execution Date(s): 1) April 4, 2005; 2) April 5, 2005

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

## 2. Name and address of receiving party(ies):

Name: NTN CORPORATION

Address: 3-17, Kyomachibori 1-chome, Nishi-ku,  
Osaka-shi, Osaka-fu, JapanAdditional name(s) & 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)  
11/077,357

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arent Fox PLLC

Street Address: 1050 Connecticut Avenue, N.W., Suite 400  
Washington, D.C. 20036-5339

Tel. No.: 202-857-6000

Fax No.: 202-638-4810

Email Address: dcipdocket@arentfox.com

6. Total number of applications and patents involved: One

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41)..... \$ 40.00

- ☒ Included in attached check.  
☐ Authorized to be charged by credit card.  
☐ Authorized to be charged to Deposit Account.  
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05/03/2005 HALI11 00000018 11077357

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## 9. 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.

George E. Oram, Jr.

Name of Person Signing  
Reg. No. 27,931

  
Signature

April 29, 2005

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT  
REEL: 016514 FRAME: 0491

Docket No. 100725-00147

# U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

[Insert  
ASSIGNEE's  
Name(s)  
Address(es)]

NTN CORPORATION  
3-17, Kyomachibori 1-chome, Nishi-ku,  
Osaka-shi, Osaka-fu, Japan

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest, including the right to sue for past infringement, if any, and all rights pursuant to 35 U.S.C. §154, to the invention entitled

[Title of  
Invention]

STEER-BY-WIRE SYSTEM

[\*If the assignment  
is being filed  
after the filing of the  
application, this  
section must be  
completed]

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on March 11, 2005, Serial No. 11/077,357  
(Arent Fox PLLC is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained ☐ herefore on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof, and any other application claiming priority thereto, for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

[Signature(s)  
of Assignor(s)]

<u>Tatsuya Yamasaki</u> (SIGNATURE)	Tatsuya YAMASAKI (TYPE NAME)	<u>04.04.2005</u> (DATE)
<u>Takehito Sakurai</u> (SIGNATURE)	Takehito SAKURAI (TYPE NAME)	<u>04.05.2005</u> (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)