

09/08/2011

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 To the Director of the U.S.



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ER SHEET

U.S. DEPARTMENT OF COMMERCE

ILY

the attached document.

1. Name of conveying party(ies):  
 (1) Toru TAKAHASHI  
 (2) Pascal DESBIOLLES
2. Name and Address of receiving party(ies):  
 NTN CORPORATION  
 3-17, Kyomachibori 1-chome,  
 Nishi-ku, Osaka-shi,  
 Osaka, 550-0003, JAPAN
3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_  
 Execution Date(s): (1), June 23, 2011 and (2), May 31, 2011
4. Application number(s) or patent number(s):  
☐ This document is being filed together with a new application.  
 OR  
☒ This document is being filed after filing of the application:  
 (a) Patent Application No(s). 12/998,963, filed June 20, 2011; or  
 (b) Patent No(s). , issued .
5. Name and address of party to whom correspondence concerning document should be mailed:  
 STAAS & HALSEY LLP Our Docket: 1761.1191  
 Attention: David M. Pitcher  
 1201 New York Ave., N.W., 7th Floor  
 Washington, D.C. 20005
6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)  
☒ Enclosed  
☐ Authorized to be charged to credit card.  
☐ Authorized to be charged to deposit account.
8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)  
 (Attach duplicate copy of this page if paying by deposit account)

David M. Pitcher, Reg. No. 25,908  
 Name of Person Signing

*David M. Pitcher*  
 Signature

*September 2, 2011*  
 Date

Total number of pages including cover sheet: 4

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# Assignment

## 譲渡証

Japanese Language Assignment

(1-8) Insert Name(s) of Inventor(s)

発明者の氏名を記入すること

(1) Toru TAKAHASHI of SHIZUOKA, JAPAN

(2) Pascal DESBIOLLES of Thorens-Glières, FRANCE

(3)

(4)

(5)

(6)

(7)

(8)

各々の署名人に対して支払われた総額1ドル  
(\$1.00)および他の適切な有価約因を考慮して、各々の署名人は

In consideration of the sum of one dollar (\$1.00) and  
other good and valuable consideration paid to each of the  
undersigned, each undersigned agrees to assign, and hereby  
does assign, transfer and set over to

(9) Insert Name of Assignee

譲受人氏名を記入すること

(9) NTN CORPORATION

(10) Insert Address of Assignee

譲受人住所を記入すること

(10)

3-17, Kyomachibori 1-chome, Nishi-ku, Osaka-shi, OSAKA 550-0003 JAPAN

(9) Insert Name of Assignee

譲受人氏名を記入すること

(9) NTN-SNR ROULEMENTS

(10) Insert Address of Assignee

譲受人住所を記入すること

(10)

1, rue des Usines, 74000 Annecy, FRANCE

(以降譲受人と称する)に対して、譲渡に同意し、ここに譲渡し、  
米国法第35章第100条に定義されるごとく、この発明および  
仮出願、非仮出願、分割出願、継続出願、差替え出願、及び再  
発行出願、および前記発明に関するすべての特許証、延長証、  
再発行証、再審査証を含む特許のための全ての出願において、  
アメリカ合衆国のためのすべての権利、所有権、および利益を  
譲受人の継承人、後継者、非譲渡者、および法定代理人に移転  
および譲渡し、

(hereinafter designated as the Assignee) and Assignee's heirs,  
successors, assigns and legal representatives, the entire right,  
title and interest for the United States of America as defined  
in 35 U.S.C. §100, in the invention, and in all applications for  
patent including any and all provisional, non-provisional,  
divisional, continuation, substitute, and reissue application(s),  
and all Letters Patent, extensions, reissues and reexamination  
certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or  
Foreign Application Number

名称、事件番号、もしくは外国出願番号のような確  
認事項を記入のこと

(11) ROTATION DETECTING DEVICE AND BEARING HAVING ROTATION  
DETECTING DEVICE

(Attorney Docket No. )  
弁護士整理番号

前記署名人が下記の日付でアメリカ合衆国において特許出願を履行するものであり、

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith

Or  
もしくは

(12) **Insert Date of Signing of Application**

出願に署名する日付を記入のこと

(12) on

(13) **Alternative Identification for filed applications**

提出された出願のための代案確認事項

(13) U.S. application Serial Number

右記の米国出願整理番号で 12/998,963

Filed:

June 20, 2011

上記日付において提出されたものである。

1) 各々の署名人は前記発明のための出願関係および、継続出願、分割出願、再発行出願およびこの件に關しての発行する特許において、必要な全ての書類を履行することに同意し、譲受人が必要と思われる、このような出願および特許に關しての別途譲渡証を履行することにも同意する。

2) 各々の署名人は、前記発明のための、出願もしくは継続出願、もしくはその分割出願、特許もしくはそれに基づく再発行出願に關して宣言されるインターフェレンスに關して必要な全ての書類を履行することに同意し、証拠取得およびそのようなインターフェレンスを進行するにあたり、いかなる方法においても前記譲受人と協力することに同意する。

3) 各々の署名人は、すべての用紙および書類を履行し、国際工業所有権保護協定の請求もしくは規定もしくは類似協定に關して必要ないかなる行為を施行することに同意する。

4) 各々の署名人は、前記譲受人に対して有効な米国特許の承認を取得し、維持し、もしくは再発行もしくは再審査により、確認するために、必要なすべての積極的な行為を履行することに同意する。

5) 各々の署名人は、全ての利益の譲受人として、特許庁長官に前記出願から発生したすべての米国特許証を前記譲受人に対して発行することを許可および請求し、ここに署名するにおいて、譲受人は全ての利益を譲るためのすべての権利を有し、対立關係にある協定を過去に履行することなくもしくは将来履行しないことを誓約し、この協定が前記譲受人、譲受人の繼承人、後継者、非譲渡者、および法定代理人に法的義務を負わせるものであることに同意する。

6) 各々の署名人は、この書類の記録上、米国特許商標庁の規定に従うために、必要もしくは所望であればこの譲渡証にさらに確認事項を記入するための権利が(事務所名を下記に記入)

STAAS & HALSEY LLP

事務所に付与されていることをここに承認する。

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees 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.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of STAAS & HALSEY LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

**In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).**

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This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

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