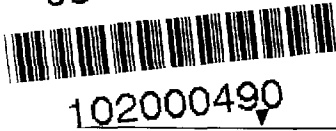


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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office 1007-014

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Takuya ISHII Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: NTN Corporation Internal Address: 3-17, Kyomachibori 1-chome Nishi-ku, Osaka 550-0003, Japan Street Address: City: State: Zip: Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: February 5, 2002

4. Application number(s) or patent number(s): February 5, 2002 If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No 10/078987

5. Name and address of party to whom correspondence concerning document should be mailed: Name: James V. Costigan, Esq. Internal Address: New York, NY 10036-2646 Street Address: HEDMAN & COSTIGAN, P.C. 1185 Avenue of the Americas City: New York State: NY Zip: 10036-2646

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 08-1540 (Attach duplicate copy of this page if paying by deposit account)

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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. James V. Costigan Reg.No. 25,669 Name of Person Signing Signature Date February 19, 2002 Total number of pages including cover sheet, attachments, and documents: 2

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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

10/078987 02/19/02

A S S I G N M E N T

In consideration of One Dollar and other good and valuable consideration, of which I acknowledge receipt I, Takuya ISHII, respectively sell and assign to NTN CORPORATION having a place of business at 3-17, 1-chome, Kyomachibori, Nishi-ku, Osaka 550-0003, Japan, its successors and assigns the entire right, title and interest in and to the improvements in TIP SEAL AND SEAL MATERIAL FOR SCROLL TYPE COMPRESSOR as described in the application for United States Patent executed as of even date herewith and all applications for patent and patents therefor in any and all countries, including all thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said NTN CORPORATION or its successors or assigns and agree that on request and without further consideration, but at the expense of said NTN CORPORATION, I will communicate to said NTN CORPORATION or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said NTN CORPORATION, its successors, assigns, and nominees to obtain and enforce proper patent protection for said improvements in all countries.

February 05, 2002

Takuya Ishii
Takuya ISHII