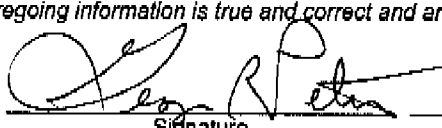


| Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) | | RECORDATION FORM COVER SHEET PATENTS ONLY | | U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--|
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof | | | | | |
| 1. Name of conveying party(ies): Hiroshi Aino (03/12/2004), Koichi Honma (03/12/2004), Hiroki Morozumi (02/23/2004), Yousuke Mae (02/26/2004), and Kazuhito Mukai (03/09/2004) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | 2. Name and address of receiving party(ies) Name: <u>Nittan Valve Co., Ltd.</u> Internal Address: _____ Street Address: 518, Soya, Hadano-shi Kanagawa 257-0031 Japan City: _____ State: _____ Zip: _____ Additional name(s) & address(es) attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| 3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>see Box 1, conveying parties</u> | | | | | |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: _____ A. Patent Application No.(s): 10/478,108 B. Patent No.(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>George R. Pettit</u> <u>CONNOLLY BOVE LODGE & HUTZ LLP</u> Internal Address: <u>Atty. Dkt.: 22233-00001-US</u> Street Address: <u>1990 M Street, N.W., Suite 800</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20036-3425</u> | | | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) | | |
| | | | 8. Deposit account number: <u>22-0185</u> (Attach duplicate copy of this page if paying by deposit account) | | |
| DO NOT USE THIS SPACE | | | | | |
| 9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div> <u>George R. Pettit - 27,369</u> Name of Person Signing </div> <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> <u>4/05/04</u> Date </div> </div> Total number of pages including cover sheet, attachments, and documents: <u>5</u> | | | | | |

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|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Form PTO-1595 | RECORDATION FORM COVER SHEET (continued) |
| Additional Conveying Party(ies) (1. Continued): | |
| Additional Assignees (2. Continued): | |
| Assignee Name: <u>Nissan Motor Co., Ltd.</u> | |
| Internal Address: | |
| Street Address: <u>2, Takaracho, Kanagawa-ku Yokohama-shi Kanagawa 221-0023 JAPAN</u> | |
| City: _____ | State: _____ Zip Code: _____ |
| Assignee Name: <u>Dynax Corporation</u> | |
| Internal Address: | |
| Street Address: <u>1053-2, Kamiosatu Chitose-shi Hokkaido 066-8585 Japan</u> | |
| City: _____ | State: _____ Zip Code: _____ |
| Assignee Name: _____ | |
| Internal Address: | |
| Street Address: | |
| City: _____ | State: _____ Zip Code: _____ |
| Additional Applications and/or Patents (4. Continued): | |
| Additional Patent Application Numbers 4A. Continued: | Additional Patent Numbers 4B. Continued: |
| Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 12th day of March, 2004, by Hiroshi Aino, c/o Nittan Valve Co., Ltd., 518, Soya, Hadano-shi, Kanagawa 257-0031 Japan; Koichi Honma, c/o Nittan Valve Co., Ltd., 518, Soya, Hadano-shi, Kanagawa 257-0031 Japan; Hiroki Morozumi, c/o Nissan Motor Co., Ltd., 2, Takaracho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 Japan; Yousuke Mae, c/o Nissan Motor Co., Ltd., 2, Takaracho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0023 Japan and Kazuhito Mukai, c/o Dynax Corporation, 1053-2, Kamiosatu, Chitose-shi, Hokkaido 066-8585 Japan (hereinafter referred to as Assignors), respectively;

WHEREAS, Assignors have invented certain new and useful improvements in **COOLING STRUCTURE OF AN ELECTROMAGNETIC BRAKE OF A PHASE VARYING APPARATUS FOR USE WITH AND AUTOMOBILE ENGINE**, set forth in a Patent application for Letters Patent of the United States, which is the National Phase of PCT/JP02/03671; and

WHEREAS, Nittan Valve Co., Ltd., a company organized under and pursuant to the laws of Japan having its principal place of business at 518, Soya, Hadano-shi, Kanagawa 257-0031 Japan; Nissan Motor Co., Ltd., a company organized under and pursuant to the laws of Japan having its principal place of business at 221-0023, 2, Takaracho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0023, Japan; and Dynax Corporation, a company organized under and pursuant to the laws of Japan having its principal place of business at 1053-2, Kamiosatu, Chitose-shi, Hokkaido 066-8585 (hereinafter referred to as Assignees), are desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignees, their successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and

to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees, for their own use and benefit and the use and benefit of their successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignees, their successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignees under law or that have already been transferred to Assignees, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignees, their successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 and Trademark Office for recordation of this document:

CONNOLLY BOVE LODGE & HUTZ LLP

All practitioners at Customer Number 30678

AND Assignors acknowledge an obligation of assignment of this invention to Assignees at the time the invention was made.

Date: 3/12/2004

Signature: Hiroshi Aino
Hiroshi Aino

Date: 3/12/2004

Signature: Koichi Honma
Koichi Honma

Date: 2/23/2004

Signature: Hiroki Morozumi
Hiroki Morozumi

Date: 2/26/2004

Signature: Yousuke Mae
Yousuke Mae

Date: 3/09/2004

Signature: Kazuhito Mukai
Kazuhito Mukai