| As          | sistant Commissioner for Patents: F  |                 |            | ent.  |
|-------------|--|-----------------|------------|---|
| 1.          | Name of conveying party(ies):<br>Satoru Goto; Yoshifumi Nishi; Sadao<br>Nakayama; Takeyuki Sakagami  | 1010357         |            | address of receiving party(les): Niigata Engineering Co., Ltd. 10-1, Kamatahoncho Ohta-ku, Tokyo, Japan |
|             | Additional name(s) attached? ☐ Yes ■   | No              |            | Additional names/addresses attached?  |
| 3           | Nature of conveyance:  |                 |            | No  |
| J.          | Assignment   |                 |            |   |
|             | ☐ Merger   |                 |            | £ <b>=</b>  |
|             | ☐ Security Agreement ☐ Change of Name  |                 |            | <u> </u>  |
|             | ☐ Other:   |                 |            | <u> </u>  |
|             |  |                 |            |   |
| _           | Execution Date: April 27, 1999 (All ass  | ignors)         |            |   |
| <b>~</b> 4. | Application number(s) or patent number(  | (s):            |            |   |
| <b>5</b>    | If this document is being filed with a new application, the execution date of the application is: April 27, 1999.  A Patent Application No.(s):  B. Patent No.(s): |                 |            |   |
|             | A. Patent Application No.(s):  |                 | B. F       | ratent No.(s):  |
|             | Additional numbers attached? ☐ Yes ■ No  |                 |            |   |
| <b>`</b> 5  | Name/address of party to whom corresp  | ondence         | 6.         | Total number of applications/patents involved: 1  |
|             | concerning document should be mailed:  |                 | <b>7</b> . | Total fee (37 CFR 3.41): \$40   |
|             | Samuel Borodach  |                 |            | ■ Enclosed  |
|             | Fish & Richardson P.C.   |                 |            | ☐ Authorized to charge deposit account  |
|             | 45 Rockefeller Plaza<br>New York, NY 10111   |                 |            |   |
|             | New York, NT 10111   |                 |            | Deposit account number: 06-1050   |
|             |  |                 |            | If the fee above is being charged to deposit  |
|             |  |                 |            | account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, o       |
|             |  |                 |            | any credits, to our Deposit Account No. 06-1050.  |
|             |  | DO NOT USE 1    | THIS 8     | PACE  |
| 9.          | Statement and signature: To the best of  | my knowledge a  | nd bei     | ief, the foregoing information is true and correct  |
|             | and the attached is the original docume  | m.              | _          | $\alpha 11$   |
|             | Samuel Borodach  | An              | <u>~V</u>  | Wanh May 10, 1999   |
|             | Name of Person Signing   | Signature       | ahaat      | DETS*   |
|             | i otal number of pages   | including cover | Sneet,     | attachments, and document: 3  |

"EXPRESS MAIL" Mailing Label Number COUTLY 900

Date of Deposit

I hereby certify under 37 CFR 1/80 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

REEL: 009949 FRAME: 0460

Signature

Type

Yoshifumi Nishi

Attorney Docket No. 10 6 89 1004001

## ASSIGNMENT

I/We, the inventor(s) named below [hereinafter referred to as the Assignor(s)], have made an invention entitled: LEAN COMBUSTION GAS ENGINE for which I/we have executed an application for a United States Patent concurrently herewith; and NIIGATA ENGINEERING CO., LTD. (Full Name of (check one) [X]Sole or [ ]First Assignee) a corporation of (State and Country of Incorporation) 10-1, Kamatahoncho 1-chome, Ohta-ku, Tokyo, Japan having the address of and (Full Name of Second Assignee, if any) a corporation of . (State and Country of Incorporation) having the address of [hereinafter referred to as the Assignee(s)], is/are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Patent for this invention, and the Letters Patent to be issued upon this application;

Now, therefore, be it known that, for good and valuable consideration, the receipt of which from the Assignee(s) Now, therefore, be it known that, for good and valuable consideration, the receipt of which from the Assignee(s), its hereby acknowledged, I/we, as Assignee(s), that her tayful successors and assigns, my/our entire right, title, and interest transfer, and set over unto the Assignee(s), its their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to Issue all Letters Patent for this invention in the name of the Assignee(s), its/their successors and assigns, in accordance with the terms of this assignment;

And I/we hereby further overnant and agree that I/we will, without further consideration, communicate with the Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention and testify in any legal And two hereby turner covenant and agree that two will, without turner consideration, continuates with the Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful documents when called upon to do so, execute and deliver all documents that may be necessary or desirable to perfect the title to this invention in the name of the Assignee(s), its/their successors and assigns, execute all divisional, continuation, and release applications, make all rightful eaths and generally do everything possible to ald the Assignee(s) and its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such documents shall be borne by the Assignee(s), its/their successors and assigns. Full name of (check one) [ ] Sole or [X] First Assignor April 27, 1999 Date Signature, Satoru Goto Citizenship Japan Type Full name of Second Assignor, if any April 27, 1999 Moskibumi Mishi Date

> **PATENT REEL: 009949 FRAME: 0461**

Japan

Citizenship

Full name of Third Assignor, if any Date \_\_\_April 27, 1999 Radao Nakayama Japan Citizenship Sadao Nakayama Full name of Fourth Assignor, if any Date April 27, 1999 Signature\_ Japan Takeyuki Sakagami --Citizenship\_ Full name of Fifth Assignor, If any Signature\_ Ckizenship\_ Type\_ Full name of Sixth Assignor, if any Signature\_ Citizenship\_ Full name of Seventh Assignor, If any Signature\_ Citizenship. Full name of Eighth Assignor, if any Date Signature\_ Citizenship\_ Type\_ Full name of Ninth Assignor, If any Signature\_

2

Ckizenship\_

**RECORDED: 05/10/1999** 

Туре\_

PATENT REEL: 009949 FRAME: 0462