U.S. DEPARTMENT OF COMMERCE \mathbf{R}^{1} U.S. Patent and Trademark Office Docket No. 742425-63 102946632 .iginal documents or copy thereof. To the Honorable Commissioner of 2. Name and address of receiving party(ies) 1. Name of conveying parties: (1) Takayuki YAMADA Name: MAZDA MOTOR CORPORATION Street Address: 3-1, Shinchi, Fuchu-cho Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No City: Aki-gun, State: Hiroshima Zip: 3. Nature of conveyance: Assignment Country: Japan Postal Code: 730-8670 ☐ Merger Security Agreement Change of Name Additional name(s) & address(es) attached? ☐ Yes ☒ No □ Other_ Execution Date(s): 1st Inventor: January 16, 2005 4. Application number(s) or patent number(s); If this document is being filed together with a new application, the filing date of the application is: February 11, 2005 Patent Application No.(s) B. Patent No.(s) Additional numbers attached? \(\square\) Yes \(\square\) No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$40.00 Attorney Name: Donald R. Studebaker □ Enclosed Firm Name: Nixon Peabody LLP Authorized to be charged to deposit account Internal Address: _Suite 900 8. Deposit account number: Street Address: 401 9th Street, N.W. 19-2380 (742425-63) City: Washington State: D.C. Zip: 20004-2128 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. Donald R. Studebaker February 11, 2005 Name of Person Signing Signature Date

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ASSIGNMENT

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| Serial No. | | riied | |
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| WHEREAS, Ta | akayuki YAMADA (he | reinafter designated | as the undersigned) has |
| | | | |
| (nave) invented certain | new and userul improve | ements in <u>CYLIND</u> | ER HEAD STRUCTURE |
| OF ENGINE for which | an application for Lette | ers Patent of the Uni | ited States of America has |
| | | | action of Afficiate has |
| been executed by the u | ndersigned on | . and: | |
| | | | |
| | | | |
| WHEDEAC A | Anada Motor Comporet | ion of 2.1 China | hi Euchu cho Alti aun |

WHEREAS, <u>Mazda Motor Corporation</u> of 3-1, <u>Shinchi, Fuchu-cho, Aki-gun, Hiroshima 730-8670</u>, <u>Japan</u> its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) 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.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof w623237.1

PATENT REEL: 016279 FRAME: 0968 to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of NIXON PEABODY LLP 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 U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

| Date January 16, 2005 | Signature Jahayuki Yamada Name Takayuki YAMADA |
|-----------------------|---|
| | Name Takayuki YAMADA |
| Date | Signature |
| | Name |
| Date | Signature |
| | Name |
| Date | Signature |
| | Name |
| Date | Signature |
| | Name |
| | ald preferably be acknowledged before a United States Consul or the execution by the Inventor(s) should be witnessed by at least d sign here. |
| Witness | Signature |
| Witness M. Jaiki | Signature Kiypshi Tatsuno |
| Witness M. Saiki | Signature <u>Kiyoshi Tatsuno</u> Signature Masayahi Saiki |

W623237.1

RECORDED: 02/11/2005

PATENT REEL: 016279 FRAME: 0969