

07-09-2001

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To the Honorable Commissioner of Patents

1. Name of conveying party(ies):

Yumin Wang

Yoshito Hanayama

Doug Fornell

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

101770367

attached original documents or copy thereof.

Address of receiving party(ies):

Name: BorgWarner Inc.

Internal Address: Patent Docket Administrator

Street Address: 3001 West Big Beaver Road

PO Box 5060

City: Troy State: MI ZIP: 48007-5060

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: June 4, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: June 12, 2001

A. Patent Application No.(s)

09/89/703

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: BorgWarner, Inc.

Internal Address: Patent Docket Administrator

Street Address: 3001 West Big Beaver Rd., Suite 5060

PO Box 5060

City: Troy State: MI ZIP: 48007-5060

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) ..... \$ 40.00

- ☒ Enclosed  
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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.

William L. Kraye  
Name of Person Signing

Signature

June 26, 2001

Date

Total number of pages including cover sheet, attachments, and document: 4

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(Form PTO-1595-Recordation Form Cover Sheet - page 1 of 3)

PATENT  
REEL: 011942 FRAME: 0868

## PATENTS ONLY

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OMB No. 0651-0011 (exp. 4/94)

## 1. Name of conveying party(ies):

Kunihiko Mishima

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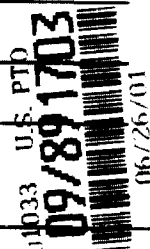
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Additional name(s) of conveying party(ies) attached?

Yes

☐

No

☒

## 2. Name and address of receiving party(ies):

Name: 

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Internal Address: 

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Name: 

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Internal Address: 

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Street Address: 

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City: 

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Additional name(s) &amp; address(es) attached?

Yes

☐

No

☒

## 4. Application number(s) or patent number(s):

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A. Patent Application No.(s)

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B. Patent No.(s)

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Additional numbers attached?

Yes

☐

No

☒

ASSIGNMENT

WHEREAS, I, \_\_\_\_\_, hereinafter referred to as "Assignor", have invented certain new and useful improvements described in the United States patent application entitled

**Carbide Coated Steel Articles and Methods of Making Them**

which was executed on \_\_\_\_\_, 2001, and/or filed herewith, and

WHEREAS, BorgWarner Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 3001 West Big Beaver Road, Suite 200, Troy, Michigan 48084, hereinafter referred to as "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set for the below:

NOW, THEREFORE, for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United states, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisionals, reissues, reexaminations, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of the Assignment.

The Commissioner of Patents is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

I (we) hereby appoint as our attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

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Greg Dziegielewski	28,073	(248) 458 2931
Marc Luddy	33,061	(248) 458 2921
William L. Krayner	19,542	(412) 343 3305

Please direct telephone calls to: William L. Krayner's phone number.

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Signature: Yumin Wang, 6/4/2001  
Date

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Date