

02-04-2004



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RECORDATION FORM COVER SHEET
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New 2.2.04

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
Reel # Frame #

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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
(For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) <input type="text" value="William Vukovich"/>	Execution Date Month Day Year <input type="text" value="01/06/2004"/>
Name (line 2) <input type="text"/>	
Second Party	
Name (line 1) <input type="text" value="Melissa Koenig"/>	Execution Date Month Day Year <input type="text" value="01/06/2004"/>
Name (line 2) <input type="text"/>	

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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

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02/03/2004 LMWELLER 00000138 10723576

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Mail documents to be recorded with required cover sheet(s) information to:
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P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 014948 FRAME: 0038

Correspondent Name and Address

Area Code and Telephone Number

Name **BorgWarner, Inc.**

Address (line 1) **Powertrain Technical Center**

Address (line 2) **3800 Automation Avenue**

Address (line 3) **Suite 100**

Address (line 4) **Auburn Hills, Michigan 48326**

Pages Enter the total number of pages of the attached conveyance document including any attachments.

6

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

10/723,576

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

02-2712

Authorization to charge additional fees:

Yes

No

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. Charges to deposit account are authorized, as indicated herein.

Gerald E. McGlynn, III

Name of Person Signing

Signature

January 29, 2004

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

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Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party

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Name (line 1)

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Address (line 3) City State/Country Zip Code

Name (line 1)

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ASSIGNMENT

WHEREAS, we, William Vukovich of White Lake in the County of Oakland and the State of Michigan, and Melissa Koenig of Howell in the County of Livingston and the State of Michigan, and Artur Wirch of Speyer, Germany have jointly invented certain new and useful improvements in
METHOD OF CONTROLLING A DUAL CLUTCH TRANSMISSION

identified as BorgWarner, Inc. Case No. DKT02025B and described in a patent application executed by us on the 6th day of January 2004, the 6th day of January 2004, and the 6th day of January 2004, respectively, (and we hereby authorized our attorney, A. Michael Tucker, to here insert the filing date and serial number of said application, as soon as it is known, Filed November 26, 2003, Serial No. 10/723,576) preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, BorgWarner, Inc., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, and having a place of business at 3800 Automation Avenue, Auburn Hills, Michigan 48326-1786, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention or inventions and in, to and under Letters Patent therefor in the United States and all other countries.

NOW, THEREFORE, BE IT KNOWN THAT, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto said ASSIGNEE, its successors and assigns, the entire right, title, and interest in and to said invention or inventions and in, to and under the above identified application and all other applications for Letters Patent of the United States and for patents, utility models and other industrial property in all other countries for the above entitled invention or inventions, including any and all priority rights or dates pursuant to the provisions of any International Convention for the protection of industrial property; and in, to and under all Letters Patent that may be issued for said invention or inventions in the United States and all other countries, and in, to and under all divisions, reissues, continuations, and extensions thereof, and covenant that we have the full right so to do; and we hereby authorize and request the Commissioner of Patents to issue all United States Letters Patent on the invention or inventions included herein to said ASSIGNEE, as assignee of the entire interest, and we authorize said ASSIGNEE to file applications for patents, utility models and other industrial property based on said

invention or inventions in ASSIGNEE's name and to claim the above identified priority rights or dates.

We further agree that we will communicate to said ASSIGNEE or its representatives or agents all facts and information known or available to us respecting said invention or inventions, including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings; execute and delivery, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, depositions, etc., and generally do everything possible to aid said ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said invention or inventions, in the United States and all other countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6 day of JANUARY 2004.

(L.S.) William Vukovich
William Vukovich

State of MICHIGAN)
)ss.
County of OAKLAND)

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that William Vukovich, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the same instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunder set my hand and notarial seal this 6 day of JANUARY 2004.

Kelly A. Lai
Notary Public

My Commission Expires: **KELLY A. LAI
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES May 22, 2007
ACTING IN OAKLAND COUNTY, MI**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6 day of JANUARY 2004.

(L.S.) Melissa Koenig
Melissa Koenig

State of MICHIGAN)
)ss.
County of OAKLAND)

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that Melissa Koenig, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the same instrument as his free and voluntary act, for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunder set my hand and notarial seal this 6 day of JANUARY 2004.

Kelly A. Lai
Notary Public
My Commission Expires: **KELLY A. LAI
NOTARY PUBLIC WAYNE CO., MI
MY COMMISSION EXPIRES May 22, 2007
ACTING IN OAKLAND COUNTY, MI**

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6 day of JANUARY 2004.

(L.S.) Artur Wirch
Artur Wirch