FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

04-26-2004

U.S. Department of Commerce **Patent and Trademark Office PATENT**



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Name (line 1) Melissa Koenig	04/02/2004						
Name (line 2) Second Party	Execution Date Month Day Year						
Name (line 1) R. Keith Martin	03/31/2004						
Name (line 2)							
Receiving Party	Mark if additional names of receiving parties attached						
Name (line 1) BorgWarner, Inc.	If document to be recorded is an assignment and the						
Name (line 2)	receiving party is not domiciled in the United						
Name (me 2)	States, an appointment of a domestic representative is attached.						
Address (line 1) 3800 Automation Avenue	(Designation must be a separate document from						
Address (line 2)	Assignment.)						
Address (line 3) Auburn Hills	Michigan 48326						
City	State/Country Zip Code						
Domestic Representative Name and							
Name Gerald E. McGlynn, III	元						
Address (line 1) Bliss McGlynn, P.C.	F 22						
Address (line 2) 2075 West Big Beaver Road							
Address (line 3) Suite 600	7: 7: 60						
Address (line 4) Troy, Michigan 48084	28 1062 28 1062						
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FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	2		Patent and Tra	nt of Commerce demark Office TENT
Correspondent Name and Address	Area Code an	d Telephone N	lumber		
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 p including any attachments	-	ed conveyance	e document	#	6
Application Number(s) or Patent Nu	ımber(s)		Mark if add	itional numbers	attached
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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 Signature

April 19, 2004

Date

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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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Application Number(s) or Patent Number(s) Mark if additional number	ers attached
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same projection)	
Patent Application Number(s) Patent Number(s)	

ASSIGNMENT

WHEREAS, we, Melissa Koenig of Howell in the County of Livingston and the State of Michigan, R. Keith Martin of Imlay City in the County of Lapeer and the State of Michigan, and John M. Kremer of Sterling Heights in the County of Macomb and the State of Michigan, have jointly invented certain new and useful improvements in:

CONTROL STRATEGY FOR LOAD SHARING BETWEEN A FRICTION CLUTCH AND ONE-WAY CLUTCH TO EFFECT LOW AND REVERSE GEAR RATIOS IN A TRANSMISSION

identified as BorgWarner, Inc. Case No. DKT01088A and described in a patent application executed by us on the 2nd day of April 2004, the 31stday of March 2004, and the 31stday of March 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 July 24, 2003, Serial No. 10/627,419) 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 day of 12004.

L.S.) Melissa Koenig

State of Michigan)

)ss.

County of MACOME,)
ACTING IN DOKKAND

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 day of 2004.

Notary Public

My Commission Expires:

PUTARY PUBLIC MACOMB CO., M. WY COMMISSION EXPIRES NOV 22, 2018

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this $\frac{2}{5}$ day of $\frac{2004}{5}$.

(L.S.) R. Keich Martin

State of MUHICAN)

)ss.

County of MACOME)

ACTIOG IN OAKLAND

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that R. Keith Martin, 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 day of 2004.

Notary Public

My Commission Expires:

COMMISSION EXPIRES NOV 29, 2006

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 2004.	31	_ day of
(L.S.) John M. Kremer		
John M. Kremer		

State of MCHIGHN)
)ss.

County of MALDME)

ACTIOG IN BAK (AND

RECORDED: 04/22/2004

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that John M. Kremer, 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 2004.

Notary Public

My Commission Expires:

DEBRA E. KOCHAN MOTARY PUBLIC MACCINE CO., MI MY COMMISSION EXPIRES NOV 29, 2008