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



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

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Reel # Frame #	(For Use ONLY by U.S. Gov Departmental File	ernment Agencies) Secret File			
Conveying Party(ies)	Mark if additional names of conve	ying parties attached Execution Date Month Day Year			
Name (line 1) William Vukovich		09/11/2001			
Name (line 2)					
Second Party		Execution Date Month Day Year			
Name (line 1) Mark R. Buchanan		09/11/2001			
Name (line 2)					
Receiving Party	Mark if additional na	ames of receiving parties attached			
Name (line 1) Borg Warner, Inc.		If document to be recorded is an assignment and the			
Traine (into 1) Doig Warner, And		receiving party is not domiciled in the United			
Name (line 2)		States, an appointment of a domestic			
Address (line 1) 3001 West Big Beaver Road		representative is attached. (Designation must be a			
Address (ille 1)		separate document from Assignment.)			
Address (line 2) Suite 200					
Address (line 3) Troy	Michigan	48084			
City	State/Country	Zip Code			
Domestic Representative Name	e and Address Enter for the first Recei	iving Party only.			
Name Gerald E. McGlynn, III					
Address (line 1) Bliss McGlynn & Nolan, P.	С.				
Address (line 2) 2075 West Big Beaver Road					
Address (line 3) Suite 600					
Address (line 4) Troy, Michigan 48084					
09/2002 DBYRNE: 00000258 09932212	FOR OFFICE USE ONLY				
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D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

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Expires 06/30/99					
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U.S. Department of Commerce Patent and Trademark Office PATENT

Correspondent Name and Address	Area Code and Telephone N	umber	248.649.6090
Name Borg Warner, Inc.			
Address (line 1) Patent Docket Administrator	1,444		
Address (line 2) 3001 West Big Beaver Road, Suit	te 200		
Address (line 3) P.O. Box 5060			
Address (line 4) Troy, Michigan 48007-5060			
Pages Enter the total number of including any attachment	pages of the attached conveyance s.	document	# 5
Application Number(s) or Patent N	umber(s)	Mark if addition	al numbers attached
Enter either the Patent Application Number or t	he Patent Number (DO NOT ENTER BOTH	numbers for the s	ame property).
Patent Application Number(s)		Patent Numb	er(s)
09/932,212			
If this document is being filed together with a new	Patent Application, enter the date the pate	nt application	Month Day Year
was			
Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned.	PCT PCT PCT		PCT PCT
Number of Properties Enter the to	tal number of properties involved.	#	1
Fee Amount Fee Amou	unt for Properties Listed (37 CFR 3	3.41): \$	40.00
Method of Payment: En	closed 🗸 Deposit Account		
Denosit Account	s additional tops can be charged to the		
(Enter for payment by deposit account or i	Deposit Account Number:	#	02-2712
	Authorization to charge additional	fees: Yes	✓ No
Statement and Signature			
To the best of my knowledge and attached copy is a true copy of the indicated herein.	d belief, the foregoing information he original document. Charges to	is true and cor deposit accou	rect and any nt are authorized, as November 1, 2001
Gerald E. McGlynn, III		To -	Date
Name of Person Signing	Signature	-	

PATENT REEL: 012429 FRAME: 0738

ASSIGNMENT

WHEREAS, we, William Vukovich of White Lake Township in the County of Oakland and the State of Michigan, and Mark R. Buchanan of Rochester Hills in the County of Oakland and the State of Michigan, have jointly invented certain new and useful improvements in

METHOD AND APPARATUS FOR PROVIDING A HYDRAULIC TRANSMISSION PUMP ASSEMBLY HAVING A ONE WAY CLUTCH

identified as BorgWarner, Inc. Case No. DKT00085 and described in a patent application executed by us on the 11th day of September 2001, and the 11th day of September 2001, respectively, (and we hereby authorized our attorney, Marc Luddy, to here insert the filing date and serial number of said application, as soon as it is known, Filed August 17, 2001, Serial No. 09/932,212) 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 3001 W. Big Beaver Road, Suite 200, Troy, Michigan 48084, 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 therefore 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

PATENT REEL: 012429 FRAME: 0739 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 September 2001.

(L.S.) William Vukovich

State of Michagan)
)ss.
County of Malconb)

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 11 day of Sxplem use 2001.

Beurly J. Villiams Notary Publice 7

My Commission Expires: 08-02-02

EFFERLY) WILLIAMS
FOTARY PUBLIC STATE OF MICHIGAN
MACOMB COUNTY
ACTING DA

MY COMMESSION EXPLAIRS, 2:2002

PATENT REEL: 012429 FRAME: 0740

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this	115	day of
Latenber 2001.		-

State of Michigan)ss.
County of Macomb)

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that Mark R. Buchanan, 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 11 day of September 2001.

My Commission Expires: 08-02-02

PATENT RECORDED: 01/02/2002 REEL: 012429 FRAME: 0741