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RECOR

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PATENTS ONLY



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Thomas Edmund Braford Jr.

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name

Other _____

Execution Date: January 7, 2000

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

Name: Borg Warner Automotivr, Inc.

Internal Address: 3001 W. Big Beaver Road

Suite 200

P.O. Box 5060

Troy, Michigan 48007-5060

Street Address: _____

Country: _____

Additional name(s) and address(es) attached: Yes No

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: _____

A. Patent Application No.(s) 09/379,404

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: U. S. Docket Administrator

Internal Address: Borg Warner Automotive Inc.

3001 W. Big Beaver Road

Suite 200

Street Address: P.O. Box 5060

City: Troy State: MI Zip: 48007-5060

6. Total number of applications and patents involved:

7. Total fee (37 C.F.R. 3.41) \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit Account No.: 50-0852

(Attach duplicate copy of this page if paying by deposit account)

02/08/2000 DNGUYEN 00000292 09379404

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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.

John C. Evans

Name of Person Signing

Signature

January 7, 2000

Date

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

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner of Patents, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 010528 FRAME: 0359

ASSIGNMENT

WHEREAS, I, Thomas Edmund Braford, Jr. of Brighton, Michigan, have invented certain new and useful improvements in

AUTOMATIC TRANSMISSION WITH DUAL GAIN MULTI-DISK FRICTION DEVICE

identified as Borg-Warner Case No. DKT99020 and described in a patent application executed by me on the 22 day of December, 1999; respectively; (and I hereby authorize my attorney, Greg Dziegielewski, to here insert the filing date and serial number of said application, as soon as it is known, Filed August 24, 1999, Serial No. 09/379,404) preparatory to obtaining Letters Patent of the United States therefor; and

WHEREAS, BORG-WARNER AUTOMOTIVE, 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 Big Beaver Road, Troy, Michigan 48007 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, I 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 I have the full right so to do; and I 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 I 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.

I further agree that I 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 deliver, 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 22 day of December, 1999.

Thomas E Bradford Jr
Thomas Edmund Bradford, Jr.

State of Michigan)
County of Macomb) ss.

acting in Oakland County

I, the undersigned, a Notary Public in and for the State and County aforesaid, do hereby certify that Thomas Edmund Bradford, Jr., 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 hereunto set my hand and notarial seal this 22 day of December, 1999.

Theresia A Wilmoth
Notary Public

SEAL

My commission expires: **THERESIA A. WILMOTH**
Notary Public, Macomb County MI
My Commission Expires May 28, 2002