

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3307832

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HAROLD HOPKINSON III	04/13/2015
WALLY LAWRENCE	04/13/2015
ERIC HOLMES	04/13/2015
JOEL LAUTERMILCH	04/13/2015
TRACY HOLMES	04/13/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZF FRIEDRICHSHAFEN AG
<b>Street Address:</b>	88038
<b>City:</b>	FRIEDRICHSHAFEN
<b>State/Country:</b>	GERMANY
<b>Name:</b>	MAGNACHEK
<b>Street Address:</b>	32701 EDWARD AVENUE
<b>City:</b>	MADISON HEIGHTS
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48071
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14684763
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(603)226-7499
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(603)226-7490
<b>Email:</b>	apeach@nhpat.com
<b>Correspondent Name:</b>	DAVIS & BUJOLD, P.L.L.C.
<b>Address Line 1:</b>	112 PLEASANT STREET
<b>Address Line 4:</b>	CONCORD, NEW HAMPSHIRE 03301
<b>ATTORNEY DOCKET NUMBER:</b>	ZF P1036US
<b>NAME OF SUBMITTER:</b>	MICHAEL J BUJOLD

<b>SIGNATURE:</b>	/MichaelJBujold/
<b>DATE SIGNED:</b>	04/13/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 6</b> source=p1036us-assignment1#page1.tif source=p1036us-assignment1#page2.tif source=p1036us-assignment1#page3.tif source=p1036us-assignment2#page1.tif source=p1036us-assignment2#page2.tif source=p1036us-assignment2#page3.tif	

COMBINED OATH/DECLARATION/  
ASSIGNMENT OF INVENTION

ZF P1038US

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventor(s) or ☐ Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS:

Harold HOPKINSON, III  
30738 Oak Valley Drive  
Farmington Hills, MI 48331

Wally LAWRENCE  
32701 Edward Avenue  
Madison Heights, MI 48071

Eric HOLMES  
15811 Centennial Drive  
Northville, MI 48168

Joel LAUTERMILCH  
15811 Centennial Drive  
Northville, MI 48168

Tracy HOLMES  
15188 Centennial Drive  
Northville, MI 48168

hereby sell, assign and transfer to ASSIGNEE:

ZF Friedrichshafen AG  
88038 Friedrichshafen  
GERMANY

MAGNACHEK  
32701 Edward Avenue  
Madison Heights, MI 48071

and the successors, assigns and legal representatives of the ASSIGNEE

- ☒ the entire right, title and interest in the United States of America
- ☐ an undivided \_\_\_\_\_ percent (\_\_\_%) interest for the United States and its territorial possessions
- ☒ and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled **HARDNESS VERIFICATION UTILIZING ULTRASONIC VELOCITIES** and which is found in:

☒ U.S. Application being filed concurrently herewith; or

☐ U.S. Application serial no. \_\_\_\_\_  
filed on \_\_\_\_\_

and, in and to, all Letters Patent to be obtained for said invention by the above application/patent or any continuation(s), division(s), renewal(s), or substitute(s) thereof, and as to the Letters Patent concerning any reissue or re-examination thereof;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been, or will be made or entered into, which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will be promptly provided, upon ASSIGNEE's request, with all pertinent facts and documents relating to said invention and said Letters Patent and any legal equivalents thereof as may be known and/or accessible to ASSIGNORS and will testify about the same in any interference, litigation or other proceeding related thereto and will promptly execute and deliver to ASSIGNEE, or its legal representatives, any and all papers, instruments and/or affidavits required to apply for, obtain, maintain, issue and/or enforce said patent application, said invention and said Letters Patent and/or any equivalents thereof which may be necessary or desirable to carry out the purposes thereof without any further consideration of any kind being required to be paid by ASSIGNEE.

#### OATH/DECLARATION

The above identified application was made or authorized to be made by us, the ASSIGNORS of this invention.

We, the ASSIGNORS, believe each named joint inventor to be an original joint inventor of the claimed invention in the application for which this declaration is being submitted.

We, the ASSIGNORS, reviewed and understand the contents of the application, including the claims as originally filed or any claim amendment(s) specifically referred to herein, and are aware of the duty to disclose to the United States Patent and Trademark Office all information known to us to be material to patentability, as defined in 37 CFR § 1.56.

We, the ASSIGNORS, hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both and may jeopardize the validity of the application or any patent issuing thereon. We further acknowledge that all statements made herein

of our own knowledge are true and all statements made on information and belief are believed to be true.

IN WITNESS WHEREOF, We have hereunto set hand this

Date: \_\_\_\_\_  
Harold HOPKINSON, III

Date: 4/13/2015 \_\_\_\_\_  
Wally LAWRENCE

Date: \_\_\_\_\_  
Eric HOLMES

Date: \_\_\_\_\_  
Joel LAUTERMILCH

Date: \_\_\_\_\_  
Tracy HOLMES

COMBINED OATH/DECLARATION/  
ASSIGNMENT OF INVENTION

ZF P1036US

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By: ☒ Inventor(s) or ☐ Present Owner

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS:

Harold HOPKINSON, III  
30738 Oak Valley Drive  
Farmington Hills, MI 48331

Wally LAWRENCE  
32701 Edward Avenue  
Madison Heights, MI 48071

Eric HOLMES  
15811 Centennial Drive  
Northville, MI 48168

Joel LAUTERMILCH  
15811 Centennial Drive  
Northville, MI 48168

Tracy HOLMES  
15188 Centennial Drive  
Northville, MI 48168

hereby sell, assign and transfer to ASSIGNEE:

ZF Friedrichshafen AG  
88038 Friedrichshafen  
GERMANY

MAGNACHEK  
32701 Edward Avenue  
Madison Heights, MI 48071

and the successors, assigns and legal representatives of the ASSIGNEE

- ☒ the entire right, title and interest in the United States of America
- ☐ an undivided \_\_\_\_\_ percent (\_\_\_%) interest for the United States and its territorial possessions
- ☒ and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled **HARDNESS VERIFICATION UTILIZING ULTRASONIC VELOCITIES** and which is found in:

☒ U.S. Application being filed concurrently herewith; or

☐ U.S. Application serial no. \_\_\_\_\_  
filed on \_\_\_\_\_

and, in and to, all Letters Patent to be obtained for said invention by the above application/patent or any continuation(s), division(s), renewal(s), or substitute(s) thereof, and as to the Letters Patent concerning any reissue or re-examination thereof;

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been, or will be made or entered into, which would conflict with this assignment;

ASSIGNORS further covenant that ASSIGNEE will be promptly provided, upon ASSIGNEE's request, with all pertinent facts and documents relating to said invention and said Letters Patent and any legal equivalents thereof as may be known and/or accessible to ASSIGNORS and will testify about the same in any interference, litigation or other proceeding related thereto and will promptly execute and deliver to ASSIGNEE, or its legal representatives, any and all papers, instruments and/or affidavits required to apply for, obtain, maintain, issue and/or enforce said patent application, said invention and said Letters Patent and/or any equivalents thereof which may be necessary or desirable to carry out the purposes thereof without any further consideration of any kind being required to be paid by ASSIGNEE.

#### OATH/DECLARATION

The above identified application was made or authorized to be made by us, the ASSIGNORS of this invention.

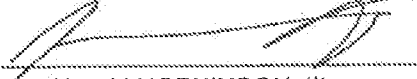
We, the ASSIGNORS, believe each named joint inventor to be an original joint inventor of the claimed invention in the application for which this declaration is being submitted.

We, the ASSIGNORS, reviewed and understand the contents of the application, including the claims as originally filed or any claim amendment(s) specifically referred to herein, and are aware of the duty to disclose to the United States Patent and Trademark Office all information known to us to be material to patentability, as defined in 37 CFR § 1.56.

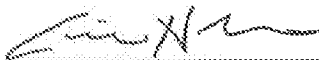
We, the ASSIGNORS, hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both and may jeopardize the validity of the application or any patent issuing thereon. We further acknowledge that all statements made herein

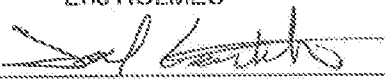
of our own knowledge are true and all statements made on information and belief are believed to be true.

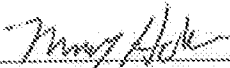
IN WITNESS WHEREOF, We have hereunto set hand this

Date: 4-13-15   
Harold HOPKINSON, III

Date: \_\_\_\_\_  
Wally LAWRENCE

Date: 4/13/15   
Eric HOLMES

Date: 4/13/15   
Joel LAUTERMILCH

Date: 4/13/15   
Tracy HOLMES