04-16-2003 cket No.: P98044US5A Form **PTO-1595** U.S. DEPARTMENT OF COMMERCE (Rev. 03/01) U.S. Patent and Trademark Office OMB No. 0651-0027 (exp. 5/31/2002) 102421408. Tab settings → → → \blacksquare To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) 4.1503 Russell W. Koch Name: Bridgestone/Firestone North American Tire, Paul B. Wilson Jack Dutcher Internal Address: Guy J. Walenga Additional name(s) of conveying party(ies) attached? X Yes \(\simega\) No 3. Nature of conveyance: X Assignment ☐ Merger Street Address: 535 Marriott Drive Security Agreement ☐ Change of Name Other City: Nashville State:TN Zip:37214 Execution Date: March 24, 2003 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) B. Patent No.(s) 10/302,586 Additional numbers attached?
Yes No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 Name: Fred H. Zollinger, III Internal Address: SAND & SEBOLT ☐ Authorized to be charged to deposit account **Aegis Tower** 8. Deposit account number: Street Address: 4940 Munson Street, NW, Suite 1100 (Attach duplicate copy of this page if paying by deposit account) City: Canton State: OH Zip:44718 DO NOT USE THIS SPACE 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. Fred H. Zollinger, III Name of Person Signing Total number of pages including cover sheet, attachments, and documer

04/15/2003 LMUELLER 00000187 10302586

01 FC:8021

Mail documents to be recorded with required cover sheet information to:

40.00 OF

Docket No.: P98044US5A

Form PTO-1595 RECORDATION FOR (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	RM COVER SHEET U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office				
Tab settings → → → ▼ ▼	Y Y Y				
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):	Name and address of receiving party(ies)				
John D. Rensel	Name:				
	Internal Address:				
Additional name(s) of conveying party(ies) attached? Yes No	<u> </u>				
3. Nature of conveyance:					
☐ Assignment ☐ Merger					
☐ Security Agreement ☐ Change of Name	Street Address:				
, ,					
☐ Other					
	City:State:Zip:				
Execution Date:	Additional name(s) & address(es) attached? Yes No				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new app	olication, the execution date of the application is:				
A. Patent Application No.(s)	B. Patent No.(s)				
Additional numbers	attached? 🔲 Yes 🔲 No				
5.Name and address of party to whom correspondence	6. Total number of applications and patents involved:				
concerning document should be mailed:	7. Total fee (37 CFR 3.41)\$				
Name:					
Internal Address:	☐ Enclosed				
	☐ Authorized to be charged to deposit account				
	8. Deposit account number:				
Street Address:					
City: State: Zip:	(Attach duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE					
9. Statement and signature.					
To the best of my knowledge and belief, the foregoing is a true copy of the original document.	g information is true and correct and any attached copy				
Name of Person Signing	Signature Date				
Total number of pages including co	ver sheet, attachments, and documents				

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

ASSIGNMENT

We, Russell W. Koch, Paul B. Wi an invention which now is described an MONITORING ASSEMBLY FOR PN is being executed and filed concurr was filed on November 21, 2002 at 10/302,586.	EUMATIC TIRE, which application ently herewith.	ent entitled NON-ATTACHED on
NOW THEREFORE, pursuant to employment agreement(s), state or nationa make the following assignments –	the obligations imposed by or arising latatutes, common law, and admin	
company created and duly organized under Nashville, Tennessee, and its successors at assign, transfer, and set over the feabove-described application for letters continuation-in-part, or divisional application (s) as such letters patent; covenant and agree for ourselves a	nd assigns, we hereby all and exclusive right to the above patent of the United States as well lication filed thereon and to any let well as any reissue application or r and our legal representative(s) to	and having a place of business at described invention and to the as any substitute, continuation, ters patent of the United States request for reexamination filed on
application for patent, in any inter therefrom, or in litigation which a issuing therefrom, and	sioner of Patents and Trademarks t	n for patent or patent issuing lication for patent or patent h said assignee or its designee(s) nd to issue any letters patent of the
company created and duly organized under Nashville, Tennessee, and its successors at assign, transfer, and set over the for- any regional or national patent office of covenant and agree for ourselves at a) assist said assignee and/of such applications for patent or in light patent or patent(s) issuing therefore	nd assigns, we hereby all and exclusive right to any applicather than the United States Patent and our legal representative(s) to r its designee(s), to the extent requesitigation which arises out of or is born, and to said application(s) for patent when	and having a place of business at cation for letters patent filed in and Trademark Office; ested, in the prosecution of any based on said application(s) for
IN WITNESS WHEREOF, we have executed where the second with the	ted this document on the dates nex 20/03 Sandblug Name: Paul B. Wilson	t to our respective names. $\frac{3/20/2003}{\text{date}}$
John I Seme March	date Name: Guy J. Walenga	date
	date Name:	date

PATENT REEL: 013947 FRAME: 0860 03/19/2003 10:50

ATC TER DEVELOPMENT 330 379 3855 → 816154938927

ASSIGNMENT

We, Russell W. Koch, Paul B. Wilson, Jack Dutcher, Guy J. Walenga, and John D. Rensel, have made an invention which now is described and claimed in an application for patent entitled NON-ATTACHED MONITORING ASSEMBLY FOR PNEUMATIC TIRE, which application

is being executed and filed concurrently herewith.

was filed on November 21, 2002 and now is designated as United States patent application number 10/302,586.

NOW THEREFORE, pursuant to the obligations imposed by or arising under one or more of our employment agreement(s), state or national statutes, common law, and administrative regulation, I bereby do make the following assignments -

To BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE, LLC. a limited liability company created and duly organized under the laws of the state of Delaware and having a place of business at Nashville, Tennessee, and its successors and assigns, we hereby

- > assign; transfer, and set over the full and exclusive right to the above-described invention and to the above-described application for letters patent of the United States as well as any substitute, continuation, continuation-in-part, or divisional application filed thereon and to any letters patent of the United States that issues from such application(s) as well as any reissue application or request for reexamination filed on such letters patent;
- covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of said application for patent, in any interference declared on said application for patent or patent issuing therefrom, or in litigation which arises out of or is based on said application for patent or patent issuing therefrom, and
 - b) execute all papers related to said application for patent which said assignee or its designee(s) request to be signed,

provided that expenses relating thereto shall be borne by said assignee; and

authorize and request the Commissioner of Patents and Trademarks to issue any letters patent of the United States relating to the above-described invention in the name of said assignee.

To BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE, LLC, a limited liability company created and duly organized under the laws of the state of Delaware and having a place of business at Nashville, Tennessee, and its successors and assigns, we hereby

- assign, transfer, and set over the full and exclusive right to any application for letters patent filed in any regional or national patent office other than the United States Patent and Trademark Office;
- > covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of any auch applications for patent or in litigation which arises out of or is based on said application(s) for patent or patent(s) issuing therefrom, and
 - b) execute all papers related to said application(s) for patent which said assignee or its designee(s) request to be signed.

provided that expenses relating thereto shall be borne by said assignee.

IN WITNESS WHEREOF, we have executed this document on the dates next to our respective names.

	Name: Musell W. Kneh	viata	Name: Paul B. Wilson	date
L	partie: Jack Dincher	03-24-03 date	Name: bjoy J. Walenga	date
	Nome: John D. Rensel / ;	date	Name:	date
	North;	dine	Name;	dote

17:44

63/18/2003

SALES ENGINEERING FAX NO. 6152313660 ATC TER DEVELOPMENT 330 379 3855 → 816159373660

P. 02

We, Russell W. Koch, Paul B. Wilson, Jack Dutcher, Guy J. Wale	nga, and John D. Rensel, have made
an invention which now is described and claimed in an application for p	patent entitled NON-ATTACHED
MONITORING ASSEMBLY FOR PNEUMATIC TIRE, which applies	ation
f"I is being executed and filed concurrently herewith.	•

ASSIGNMENT

was filed on November 21, 2002 and now is designated as United States patent application number 10/302,586.

NOW THEREFORE, pursuant to the obligations imposed by or arising under one or more of our employment agreement(s), state or national statutes, common law, and administrative regulation. I hereby do make the following assignments—

To BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE, LLC. a limited liability company created and duly organized under the laws of the state of Delaware and having a place of business at Nashville, Tennessee, and its successors and assigns, we hereby

- > assign, transfer, and set over the full and exclusive right to the above-described invention and to the above-described application for letters patent of the United States as well as any substitute, continuation, continuation-in-part, or divisional application filed thereon and to any letters patent of the United States that issues from such application(s) as well as any reissue application or request for reexamination filed on such letters patent;
- > covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of said application for patent, in any interference declared on said application for patent or patent issuing therefrom, or in litigation which arises out of or is based on said application for patent or patent issuing therefrom, and
 - b) execute all papers related to said application for patent which said assignee or its designee(s) request to be signed,

provided that expenses relating thereto shall be borne by said assignee; and

* authorize and request the Commissioner of Patents and Trademarks to issue any letters patent of the United States relating to the above-described invention in the name of said assignce.

To BRIDGESTONE/FIRESTONE NORTH AMERICAN TIRE, LLC, a limited liability company created and duly organized under the laws of the state of Delaware and having a place of business at Nashville, Tennessee, and its successors and assigns, we hereby

- > assign, transfer, and set over the full and exclusive right to any application for letters patent filed in any regional or national patent office other than the United States Patent and Trademark Office;
- > covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of any such applications for patent or in litigation which arises out of or is based on said application(s) for patent or patent(s) issuing therefrom, and
 - b) execute all papers related to said application(s) for patent which said assignee or its designee(s) request to be signed.

provided that expenses relating thereto shall be borne by said assignee.

IN WITNESS WHEREOF, we have executed this document on the dates next to our respective names.

Name: Russeil W. Koch	datu	Names Paul B. Wilson	date
Name: Jack Dutcher	date	Namer Paul B. Wilson July Walenga Namer Glog, Walenga	3/18/03
Name: John D. Rensel	date	Nome:	date
Name:	date	Name:	datu

PATENT REEL: 013947 FRAME: 0862