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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER T. WILKINSON	03/17/2014
SHANNON THORNTON	03/17/2014
PHILLIP C. SCHWESINGER	03/17/2014
JASON P. LARREW	03/17/2014
TOMMY B. LAVELLE	03/17/2014

RECEIVING PARTY DATA

Name:	UNITED SERVICES AUTOMOBILE ASSOCIATION	
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State/Country:	TEXAS	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16816846

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NAME OF SUBMITTER:	DEBORAH PELOQUIN
SIGNATURE: /Deborah Peloquin/	
DATE SIGNED: 05/07/2020	

Total Attachments: 2

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PATENT REEL: 052598 FRAME: 0891 source=US-0919.04_Assignment#page2.tif

PATENT REEL: 052598 FRAME: 0892

ASSIGNMENT

WHEREAS, Christopher T. WILKINSON, Shannon THORNTON, Phillip C. SCHWESINGER, Jason P. LARREW, and Tommy B. LAVELLE (referred to as "ASSIGNORS") have invented certain new and useful improvements in an invention entitled <a href="https://doi.org/10.1007/journal.com/doi.org/10.1007/jo

	for which a utility application for a United States Patent was filed with the United States Patent and Trademark Office on, Application No.
\boxtimes	for which an application for a United States Patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, <u>United Services Automobile Association</u>, a company under the laws of the United States of America, doing business at <u>9800 Fredericksburg Road San Antonio</u>, <u>Texas 78288</u> (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell and transfer to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNORS' entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term of terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

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ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated below:

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

	INVENTOR(S)	DATE SIGNED
1)	Christopher T. WILKINSON	17 Mar 2014
2)	Shannon THORNTON	17 MAR 2014
3)	Phillip C. SCHWESINGER	to Mar 2014
4)	Jasop P. LARREW	17 Mar 2014
5)	Tommy B. LAVELLE	17 man 2dy