

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6232342

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTIAN THIEL	07/20/2020
PAUL BARNARD	07/20/2020
JAMES HERBST	07/22/2020
RALF JOHANNES LENNINGER	07/20/2020
FRANK FOERSTERLING	07/20/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CONTINENTAL AUTOMOTIVE GMBH
<b>Street Address:</b>	VAHRENWALDER STRASSE 9
<b>City:</b>	HANNOVER
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	30165
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15751850
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	ann.sachet@quarles.com, patents@quarles.com
<b>Correspondent Name:</b>	QUARLES & BRADY LLP
<b>Address Line 1:</b>	RENAISSANCE ONE
<b>Address Line 2:</b>	TWO NORTH CENTRAL AVENUE
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85004
<b>ATTORNEY DOCKET NUMBER:</b>	138129.00142
<b>NAME OF SUBMITTER:</b>	ANN SACHET
<b>SIGNATURE:</b>	/Ann Sachet/
<b>DATE SIGNED:</b>	08/03/2020
<b>Total Attachments: 6</b>	
source=Assignment_All-Signed#page1.tif	

source=Assignment\_All-Signed#page2.tif  
source=Assignment\_All-Signed#page3.tif  
source=Assignment\_All-Signed#page4.tif  
source=Assignment\_All-Signed#page5.tif  
source=Assignment\_All-Signed#page6.tif

ASSIGNMENT

ASSIGNOR(S): THIEL, Christian  
Bruennsteinstr. 13a  
83080 Oberaudorf  
GERMANY

BARNARD, Paul  
Stock Hill The Briars  
Stoke St. Michael Somerset  
BA3 5JJ  
GREAT BRITAIN

HERBST, James  
1461 West Cullom Avenue  
Chicago, IL 60611  
USA

LENNINGER, Ralf Johannes  
Gichtlgasse 2  
93047 Regensburg  
GERMANY

FOERSTERLING, Frank  
Odilostrasse 34  
84439 Steinkirchen  
GERMANY

ASSIGNEE: CONTINENTAL AUTOMOTIVE GmbH  
Hannover  
GERMANY

TITLE: SYSTEM AND METHOD OF A TWO-STEP OBJECT DATA  
PROCESSING BY A VEHICLE AND A SERVER DATABASE FOR  
GENERATING, UPDATING AND DELIVERING A PRECISION  
ROAD PROPERTY DATABASE

ATTY DOCKET NO.: 138129.00142(YGO2015/08US)

APPLICATION NO.: 15/751,850

FILING DATE: February 10, 2018

Each Assignor is the inventor of a certain new and useful invention (the "Invention") described in a United States patent application (the "Application") bearing the attorney docket number and title listed above. The application number assigned by the USPTO and filing date

of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Each Assignor agrees that, when requested, such Assignor will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and/or maintaining patents for said invention in the United States of America for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: 2020/07/20 Thiel  
Christian Thiel

Date: \_\_\_\_\_  
Paul Barnard

Date: \_\_\_\_\_  
James Herbst

Date: \_\_\_\_\_  
Ralf Johannes Lenninger

Date: \_\_\_\_\_  
Frank Foersterling

of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

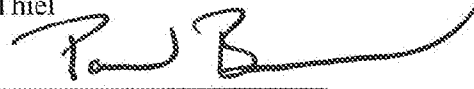
Each Assignor agrees that, when requested, such Assignor will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and/or maintaining patents for said invention in the United States of America for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Christian Thiel

Date: 20/07/2020

\_\_\_\_\_  
  
Paul Barnard

Date: \_\_\_\_\_

\_\_\_\_\_  
James Herbst

Date: \_\_\_\_\_

\_\_\_\_\_  
Ralf Johannes Lenninger

Date: \_\_\_\_\_

\_\_\_\_\_  
Frank Foersterling

of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Each Assignor agrees that, when requested, such Assignor will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and/or maintaining patents for said invention in the United States of America for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.


Date: \_\_\_\_\_

\_\_\_\_\_  
Christian Thiel

Date: \_\_\_\_\_

\_\_\_\_\_  
Paul Barnard

Date: 22 JUL 2020

  
\_\_\_\_\_  
James Herbst

Date: \_\_\_\_\_

\_\_\_\_\_  
Ralf Johannes Lenninger

Date: \_\_\_\_\_

\_\_\_\_\_  
Frank Foersterling

of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Each Assignor agrees that, when requested, such Assignor will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and/or maintaining patents for said invention in the United States of America for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Christian Thiel

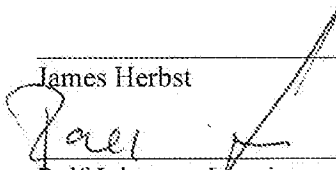
Date: \_\_\_\_\_

\_\_\_\_\_  
Paul Barnard

Date: \_\_\_\_\_

\_\_\_\_\_  
James Herbst

Date: \_\_\_\_\_

  
\_\_\_\_\_  
Ralf Johannes Lenninger

Date: \_\_\_\_\_

\_\_\_\_\_  
Frank Foersterling

2 of 2

QB\138129.0001263988302.1

of the invention are as shown. If the Application number and filing date are not indicated above, the undersigned hereby authorizes the appointed attorney to add the filing date and serial number of said Application to this document.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including as a divisional, continuation-in-whole or continuation-in-part, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Each Assignor agrees that, when requested, such Assignor will, without charge to Assignee, but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and/or maintaining patents for said invention in the United States of America for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Christian Thiel

Date: \_\_\_\_\_

\_\_\_\_\_  
Paul Barnard

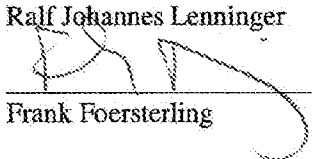
Date: \_\_\_\_\_

\_\_\_\_\_  
James Herbst

Date: \_\_\_\_\_

\_\_\_\_\_  
Ralf Johannes Lenninger

Date: 22.7.2020

  
\_\_\_\_\_  
Frank Foersterling

2 of 2

QB\138129.00012\63988302.1