PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4816596

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| STEFFEN SCHMITZ | 01/08/2018 |
| ANDREAS KWOCZEK | 01/22/2018 |
| TEODOR BUBURUZAN | 12/19/2017 |
| THORSTEN HEHN | 12/19/2017 |
| ERNST ZIELINSKI | 12/19/2017 |
| ROMAN ALIEIEV | 12/19/2017 |

RECEIVING PARTY DATA

| Name: | VOLKSWAGEN AG |
|-----------------|-----------------|
| Street Address: | BERLINER RING 2 |
| City: | WOLFSBURG |
| State/Country: | GERMANY |
| Postal Code: | 38440 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15863010 |

CORRESPONDENCE DATA

Fax Number: (317)231-7433

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.

Phone: (317)236-1313 Email: INDocket@btlaw.com

Correspondent Name: BARNES & THORNBURG LLP (AT) - L. MILLER

Address Line 1: 11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

| ATTORNEY DOCKET NUMBER: | 52461-273775 |
|-------------------------|-------------------------|
| NAME OF SUBMITTER: | CHRISTINE H. MCCARTHY |
| SIGNATURE: | /CHRISTINE H. MCCARTHY/ |
| DATE SIGNED: | 02/08/2018 |

Total Attachments: 7

PATENT REEL: 044871 FRAME: 0231

504769868

| source=52461-273775-eAssignment-Inventor#page1.tif | |
|--|--|
| source=52461-273775-eAssignment-Inventor#page2.tif | |
| source=52461-273775-eAssignment-Inventor#page3.tif | |
| source=52461-273775-eAssignment-Inventor#page4.tif | |
| source=52461-273775-eAssignment-Inventor#page5.tif | |
| source=52461-273775-eAssignment-Inventor#page6.tif | |
| source=52461-273775-eAssignment-Inventor#page7.tif | |

PATENT REEL: 044871 FRAME: 0232

ASSIGNMENT OF GLOBAL PATENT RIGHTS

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign all my rights, title and interest, in and for the United States of America and all foreign countries, in and to the invention entitled:

METHOD FOR COLLECTIVELY COLLECTING DATA IN A MOBILE NETWORK, DATA ACQUISITION COMPUTER, AND MOBILE NETWORK MANAGEMENT UNIT FOR USE IN THE METHOD

which was invented by me (if only one is named ASSIGNOR below) or us (if plural inventors are named below) and,

| <u> </u> | | illed in the United States Patent and 2018, and assigned Application | |
|------------|---|--|---------------------------------------|
| Ö | which was l application | pased upon and relies for priority o | n the corresponding PCT |
| | which was based upon and relies for priority on German Application No. 10 2017 200 100.3, filed 5 January 2017, | | |
| to the fol | lowing (herein | after called ASSIGNEE(S)): | · · · · · · · · · · · · · · · · · · · |
| NAME O | F ASSIGNEE | COUNTRY AND TYPE OF BUSINESS ORGANIZATION | HEADQUARTERS ADDRESS |
| VOLKS | WAGEN AG | German Company | Berliner Ring 2 38440 Wolfsburg |

This assignment conveys to the above-identified ASSIGNEE(S), its successors and assigns or other legal representatives all my rights, title and interest, in the above-identified invention including all United States Patent Applications, United States Letters Patent which may be granted therefor, and all divisionals, continuations, and extensions thereof, and any corresponding foreign Letters Patent whether applied for or granted, the interest being the entire ownership of the Letters Patent, to be held and enjoyed by the ASSIGNEE(S), its successors, assigns or other legal representatives, to the full end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional,

1 of 3

NOTE: The undersigned hereby authorize(s) Barnes & Thornburg LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, as well as any papers necessary to procure foreign Letters Patents on the invention, or otherwise to secure the title thereto in the ASSIGNEE(S);

And I do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to the ASSIGNEE(S).

| INVENTOR: Post Office Address/ Residence: | Steffen SCHMITZ Am langen Reck 34a 46485 Wesel GERMANY |
|---|--|
| <u> </u> | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Andreas KWOCZEK Im Klappenfelde 13 38165 Lehre GERMANY |
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Teodor BUBURUZAN Calvördestr. 16 38118 Braunschweig GERMANY |
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Thorsten HEHN Buchenpfad 7 38446 Wolfsburg GERMANY |
| (Date) | (Signature) |

2 of 3

NOTE: The undersigned hereby authorize(s) Barnes & Thomburg LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, as well as any papers necessary to procure foreign Letters Patents on the invention, or otherwise to secure the title thereto in the ASSIGNEE(S);

And I do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to the ASSIGNEE(S).

| INVENTOR: Post Office Address/ Residence: | Steffen SCHMITZ Am langen Reck 34a 46485 Wesel GERMANY |
|---|--|
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Andreas KWOCZEK Im Klappenfelde 13 38165 Lehre GERMANY |
| <u>11 1 18</u> (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Teodor BUBURUZAN Calvördestr. 16 38118 Braunschweig GERMANY |
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Thorsten HEHN Buchenpfad 7 38446 Wolfsburg GERMANY |
| (Date) | (Signature) |

2 of 3

NOTE: The undersigned hereby authorize(s) Barnes & Thornburg LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOD.

Form V. 1.1

renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, as well as any papers necessary to procure foreign Letters Patents on the invention, or otherwise to secure the title thereto in the ASSIGNEE(S);

And I do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to the ASSIGNEE(S).

Staffon SCHMITT

| Post Office Address/ Residence: | Am langen Reck 34a 46485 Wesel GERMANY |
|---|--|
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Andreas KWOCZEK Im Klappenfelde 13 38165 Lehre GERMANY |
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Teodor BUBURUZAN Calvördestr. 16 38118 Braunschweig GERMANY |
| 19.12.2012 | CB |
| (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Thorsten HEHN Buchenpfad 7 38446 Wolfsburg GERMANY |
| (Date) | (Signature) |

2 of 3

NOTE: The undersigned hereby authorize(s) Barnes & Thornburg LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, as well as any papers necessary to procure foreign Letters Patents on the invention, or otherwise to secure the title thereto in the ASSIGNEE(S);

And I do hereby authorize and request the Commissioner of Patents to issue the Letters Patent to the ASSIGNEE(S).

INVENTOR: Steffen SCHMITZ Post Office Address/ Am langen Reck.34a Residence: 46485 Wesel **GERMANY** (Date) (Signature) INVENTOR: Andreas KWOCZEK Post Office Address/ Im Klappenfelde 13 Residence: 38165 Lehre **GERMANY** (Date) (Signature) **INVENTOR: Teodor BUBURUZAN** Post Office Address/ Calvördestr. 16 38118 Braunschweig Résidence: **GERMANY** (Date) (Signature) **INVENTOR:** Thorsten HEHN Post Office Address/ **Buchenpfad** 7 Residence: 38446 Wolfsburg **GERMANY** (Signature)

2 of 3

NOTE: The undersigned hereby authorize(s) Barnes & Thomburg LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

| Post Office Address/ Residence: | Glockengarten 8 c 44803 Bochum GERMANY |
|---|---|
| 1910 (Date) | (Signature) |
| INVENTOR: Post Office Address/ Residence: | Roman ALIEIEV Schönbeckstr. 18 39576 Stendal GERMANY |
| (Date) | (Signature) |

VW Ref. No. K 23883 US B&T Docket No. 52461-273775

Form V. 1.1

INVENTOR:

Post Office Address/

Residence:

Ernst ZIELINSKI

Glockengarten 8 c 44803 Bochum

GERMANY

(Date)

(Signature)

INVENTOR:

Post Office Address/

Residence:

Roman ALIEIEV Schönbeckstr. 18

39576 Stendal

GERMANY

19.12.2017

(Date)

(Signature)