PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4488150

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPH EBERT	02/17/2017
STEFFEN ORLOWSKY	02/14/2017
MARCO LEUPOLD	02/15/2017
STEFAN KREIM	02/15/2017
ALEXANDER SCHMIDT	02/15/2017

RECEIVING PARTY DATA

Name:	TOMTOM DEVELOPMENT GMBH
Street Address:	INSELSTRASSE 22
City:	LEIPZIG
State/Country:	GERMANY
Postal Code:	04103

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15523406

CORRESPONDENCE DATA

Fax Number:

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: 6036430330 - 11129
Email: patents@tomtom.com

Correspondent Name: TOMTOM INTERNATIONAL B.V.

Address Line 1: DE RUIJTERKADE 154

Address Line 2: IP CREATION

Address Line 4: AMSTERDAM, NETHERLANDS 1011 AC

NAME OF SUBMITTER: MURIELLE DUPONT SIGNATURE: /Murielle Dupont/ DATE SIGNED: 07/02/2017	ATTORNEY DOCKET NUMBER:	1113/US
·	NAME OF SUBMITTER:	MURIELLE DUPONT
DATE SIGNED: 07/02/2017	SIGNATURE:	/Murielle Dupont/
07/03/2017	DATE SIGNED:	07/03/2017

Total Attachments: 8

PATENT REEL: 043075 FRAME: 0526

504441449



PATENT REEL: 043075 FRAME: 0527

ASSIGNMENT

This Assignment is made

BETWEEN:

Christoph EBERT (TomTom ID number: 14166), a German citizan, c/o of inselstraße 22. D-04103 Leipzig, Germany

Steffen ORLOWSKY (TomTom ID number: 05177), a German citizen, c/o of Inselsiraße 22. D-04103 Leipzig, Germany

Marco LEUPOLD (TomTom ID number: 05142), a German citizen, c/o of Inselstraße 22. 0-04103 Leipzig. Germany

Stefan KREIM (TomTorn ID number: 05176), a German citizen, c/o of inselstraile 22, 0-04103 Leipzig, Germany

Alexander SCHMIDT (TomTom ID number: 06144), a German citizen, c/o of inselstraße 22 D-04103 Leipzig. Germany

(the "inventors"):

AND:

TomTom Development Germany GmbH, a German corporation of Inselstraße 22. D-04103 Leipzig, Germany (hereinafter "TTDG");

AND:

TomTom Telematics B.V., a Dutch corporation of De Ruijterkade 154, 1011 AC Amsterdam, Netherlands (hereinafter "TTT").

WHEREAS, the Inventors, during the course of their employment with TTDG, have invented:

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APPARATUS AND METHOD FOR VEHICLE ECONOMY IMPROVEMENT

Docket ID No. 1113/PCT

and in respect of which has been filed:

United Kingdom Patent Application No. 1504234.4 on 12 March 2015;

International (PCT) Application No. PCT/EP2015/077838 on 25 November 2015.

WHEREAS, pursuant to a Research and Development Agreement having an effective date of 30 August 2014 between TTT and TTDG, all intellectual property rights created in the course of the performance of research and development services by TTDG relating to the further development and design of products and services related to the business of TTT, including, but not limited to software and telematics services for tracking and tracing solutions, shall vest in and be the absolute property of TTT.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Inventors and TTDG confirm any prior assignment to TTT and the right of TTT to file the aforementioned applications, and to the extent that the Inventors and/or TTDG, as appropriate, have not already done so, hereby assign and transfer unto TTT and its successors in interest, the full and exclusive right, title and interest in any country of the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention(s) as described in the aforementioned applications, to the applications themselves, and all divisions, continuations, continuations-in-part, national phase applications or other applications claiming priority directly or indirectly from the aforementioned applications, and any patents, registered designs, utility models, or other similar rights which may be granted thereon, including reisaues, reexaminations and extensions thereof, and all copyright and unregistered design rights throughout the world in the applications and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by TTT to the full end of the term for which the patents, utility models, registered designs or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the Inventors and/or TTDG, as appropriate, had this assignment not been made, and the right to sue for, and recover for past, present and future infringements of, or liabilities for, any of the rights relating to any of the applications, patents, registered designs, utility models, or other similar rights, resulting therefrom, and the copyright rights;

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the Inventors and/or TTDG, as appropriate, hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, registered design or other similar rights, and for copyright, in any country of the world including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title in and to the invention(s), the applications and patents in respect thereof, and to testify in support thereof, for the benefit of TTT without further or other compensation than that above set forth.

The Assignment is executed as of the date(s) given below:

Name Christoph EBERT

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Signature:

Name Marco LEUPOLD

Date:

Signature:

Name: Stefan KREIM

Date

Signature:

Name: Alexander SCHMIDT

Date:

Signature;

Name: Ann Critchell-Ward (on behalf of TomTom Development Germany GmbH)

Position: Attorney-in-fact

Date:

22 -02 - 2017

ASSIGNMENT

This Assignment is made

BETWEEN:

Christoph EBERT (TomTom ID number: 14166), a German citizen, c/o of Inselstraße 22, D-04103 Leipzig, Germany

Steffen ORLOWSKY (TomTom ID number: 05177), a German citizen, Wacholderweg 17, D-06849 Dessau-Roßlau, Germany

Marco LEUPOLD (TomTom ID number: 05142), a German citizen, c/o of Inselstraße 22, D-04103 Leipzig, Germany

Stefan KREIM (TomTom ID number: 05176), a German citizen, Kurt-Eisner-Straße 68, D-04275 Leipzig, Germany

Alexander SCHMIDT (TomTom ID number: 05144), a German citizen, Puschkinstraße 24, D-06108 Halle (Saale), Germany

(the "inventors");

AND:

TomTom Development Germany GmbH, a German corporation of Inselstraße 22, D-04103 Leipzig, Germany (hereinafter "TTDG");

AND:

TomTom Telematics B.V., a Dutch corporation of De Ruijterkade 154, 1011 AC Amsterdam, Netherlands (hereinafter "TTT").

WHEREAS, the Inventors, during the course of their employment with TTDG, have invented:

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PATENT REEL: 043075 FRAME: 0532

APPARATUS AND METHOD FOR VEHICLE ECONOMY IMPROVEMENT

Docket ID No. 1113/PCT

and in respect of which has been filed:

United Kingdom Patent Application No. 1504234.4 on 12 March 2015;

International (PCT) Application No. PCT/EP2015/077838 on 26 November 2015.

WHEREAS, pursuant to a Research and Development Agreement having an effective date of 30 August 2014 between TTT and TTDG, all intellectual property rights created in the course of the performance of research and development services by TTDG relating to the further development and design of products and services related to the business of TTT, including, but not limited to software and telematics services for tracking and tracing solutions, shall vest in and be the absolute property of TTT.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Inventors and TTDG confirm any prior assignment to TTT and the right of TTT to file the aforementioned applications, and to the extent that the Inventors and/or TTDG, as appropriate, have not already done so, hereby assign and transfer unto TTT and its successors in interest, the full and exclusive right, title and interest in any country of the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention(s) as described in the aforementioned applications, to the applications themselves, and all divisions, continuations, continuations-in-part, national phase applications or other applications claiming priority directly or indirectly from the aforementioned applications, and any patents, registered designs, utility models, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright and unregistered design rights throughout the world in the applications and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by TTT to the full end of the term for which the patents, utility models, registered designs or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the Inventors and/or TTDG, as appropriate, had this assignment not been made, and the right to sue for, and recover for past, present and future infringements of, or liabilities for, any of the rights relating to any of the applications, patents, registered designs, utility models, or other similar rights, resulting therefrom, and the copyright rights;

2

PATENT REEL: 043075 FRAME: 0533 the Inventors and/or TTDG, as appropriate, hereby covenant and agree to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, registered design or other similar rights, and for copyright, in any country of the world including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title in and to the invention(s), the applications and patents in respect thereof, and to testify in support thereof, for the benefit of TTT without further or other compensation than that above set forth.

The Assignment is executed as of the date(s) given below:

Signature:

Name: Christoph EBERT

Date:

Signature:

Name: Steffen ORLOWSKY

Date:

14/02/12

Signature:

Name: Marco LEUPOLD

Date:

15/02/17

Signature:

Name: Stefan KREIM

Date:

15/02/17

Signature:

Sulley

Name: Alexander SCHMIDT

Date:

15/02/17

Signature:

Name: Ann Critchell-Ward (on behalf of TomTom Development Germany GmbH)

Position: Attorney-in-fact

Date:

ELON 1701

PATENT REEL: 043075 FRAME: 0535

RECORDED: 07/03/2017