504283262 03/22/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARS DIETZEL	02/13/2017
RENÉ LIEBSCHER	02/21/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14639250

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

ATTORNEY DOCKET NUMBER:	1108/US
NAME OF SUBMITTER:	MURIELLE DUPONT
SIGNATURE:	/Murielle Dupont/
DATE SIGNED:	03/22/2017

Total Attachments: 3

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PATENT 504283262 REEL: 041675 FRAME: 0455

ASSIGNMENT

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BETWEEN:

Lars DIETZEL, a German citizen residing at Hieronymus-von-Bose-Str. 6, 06258 Schkopau, Germany

René LIEBSCHER, a German citizen residing at Nonnenstraße 5a, 04229 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, has invented:

APPARATUS AND METHOD FOR GEAR DETECTION Docket ID No. 1108

and in respect of which has been filed:

United Kingdom Patent Application No. 1420988.6 on 26 November 2014;

United States of America Patent Application No. 14/639,250 on 5 March 2015.

German Utility Model No. 20 2015 101 249.7 on 11 March 2015;

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PATENT REEL: 041675 FRAME: 0456 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;

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:

lan Oulul

Name: Lars DIETZEL

Date: 13th of February 2017

Signature: Red List

Name: René LIEBSCHER

Date: 21sh of tehroary 2017

Signature:

Name: Ann CRTTCHELL-WARD (on behalf of TomTom Development Germany GmbH)

Position: Attorney-in-fact

Date: 있당~@Q - QO 1 구