

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4329943

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LARS DIETZEL	02/13/2017
RENÉ LIEBSCHER	02/21/2017
<b>RECEIVING PARTY DATA</b>	
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<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	D-04103
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14639250
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<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	1108/US
<b>NAME OF SUBMITTER:</b>	MURIELLE DUPONT
<b>SIGNATURE:</b>	/Murielle Dupont/
<b>DATE SIGNED:</b>	03/22/2017
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

This Assignment is made

**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;

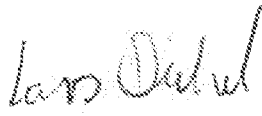
WHEREAS, pursuant to a Research and Development Agreement having an effective date of 30 August 2014 between TTT and TTDG, all intellectual property rights created in the course of the performance of research and development services by TTDG relating to the further development and design of products 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:

Signature: 

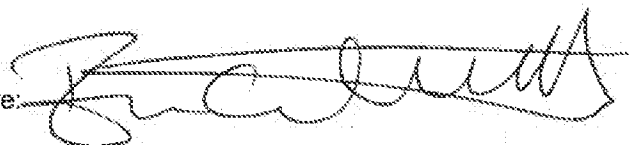
Name: Lars DIETZEL

Date: 13th of February 2017

Signature: 

Name: René LIEBSCHER

Date: 21st of February 2017

Signature: 

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

Position: Attorney-in-fact

Date: 28-02-2017