

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TOMTOM DEVELOPMENT GERMANY GMBH	01/25/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TOMTOM NAVIGATION B.V.	
<b>Street Address:</b>	DE RUIJTERKADE 154	
<b>City:</b>	AMSTERDAM	
<b>State/Country:</b>	NETHERLANDS	
<b>Postal Code:</b>	1011 AC	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14931972
<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>		
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<b>Address Line 2:</b>	IP CREATION	
<b>Address Line 4:</b>	AMSTERDAM, NETHERLANDS 1011 AC	
<b>ATTORNEY DOCKET NUMBER:</b>	1122/US	
<b>NAME OF SUBMITTER:</b>	MURIELLE DUPONT	
<b>SIGNATURE:</b>	/Murielle Dupont/	
<b>DATE SIGNED:</b>	01/26/2017	
<b>Total Attachments: 3</b>		
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## **ASSIGNMENT**

This Assignment is made

### **BETWEEN:**

Johannes Robert FISCHER, a German citizen residing at Bernauer Chaussee 13, 16348 Wandlitz, Germany

Jan-Ole SASSE, a German citizen residing at Maybachufer 41, 12047 Berlin, Germany

Sven GROTHKLAGS, a German citizen residing at Julius-Hart-Str. 44, 12587 Berlin, Germany

(the "Inventors");

### **AND:**

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

### **AND:**

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

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

## **METHODS AND SYSTEMS FOR RECONSTRUCTING TRACKS USING ELECTRONIC MAP DATA**

Docket ID No. 1122

and in respect of which has been filed:

European Patent Application No. 15186139.0 on 21 September 2015;

U.S. Patent Application No. 14/931,972 on 04 November 2015;

§

German Utility Model Application No. 202016107465.7 on 21 September 2015.

WHEREAS, pursuant to a Research and Development Agreement having an effective date of 30 August 2014 between TomTom International B.V. (TTI) 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 Navigation business shall vest in and be the absolute property of TTI.

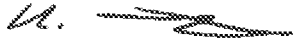
WHEREAS, the Research and Development Agreement was demerged to TTN as part of the assets relating to the Navigation business that were demerged from TTI according to the Demerger Proposal dated 31 March 2015 and the subsequent Deed of Demerger and Incorporation of TTN with an effective date of 2 June 2015.

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 TTN and the right of TTN 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 TTN 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 TTN 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 TTN without further or other compensation than that above set forth.

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

Signature: 

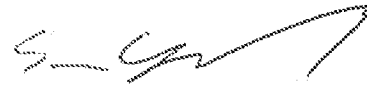
Name: Johannes Robert FISCHER

Date: 04-05-2017

Signature: 

Name: Jan-Ole SASSE

Date: 01-05-2017

Signature: 

Name: Sven GROTHKLAGS

Date: 5.7.17

Signature: 

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

Position: Attorney-in-fact

Date: 25-01-2017