### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PETER MIETH	04/14/2011
STEFAN LORKOWSKI	04/14/2011
RALF-PETER SCHÄFER	04/13/2011
NIKOLAUS WITTE	04/14/2011

#### **RECEIVING PARTY DATA**

Name:	TOMTOM DEVELOPMENT GERMANY GMBH
Street Address:	MAXIMILIANALLEE 4
City:	LEIPIZIG
State/Country:	GERMANY
Postal Code:	D-04129

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15444606

#### **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.

**DE RUIJTERKADE 154** Address Line 1:

Address Line 2: IP CREATION

Address Line 4: AMSTERDAM, NETHERLANDS 1011 AC

ATTORNEY DOCKET NUMBER:	1786/US/2-1
NAME OF SUBMITTER:	MURIELLE DUPONT
SIGNATURE:	/Murielle Dupont/
DATE SIGNED:	03/23/2017

**Total Attachments: 3** 

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> **PATENT** REEL: 041696 FRAME: 0814 504285951

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PATENT REEL: 041696 FRAME: 0815

#### **ASSIGNMENT**

This Patent Assignment is made

#### BETWEEN:

Peter MIETH, a German citizen residing at Pflugerstr. 57, 12047, Berlin, Germany;

Stefan LORKOWSKI, a German citizen residing at Germanenstraße 3, 12524, Berlin, Germany;

Ralf-Peter SCHÄFER, a German citizen residing at Minkwitzweg 25, 12557, Berlin, Germany;

Nikolaus WITTE, a German citizen residing at Sonnenburgerstr. 58A, 10 437, Berlin; (the "Inventors", hereinafter referred to collectively as the "Assignor");

#### AND:

TomTom Development Germany GmbH, a German company of Maximilianaliee 4, Leipzig, D-04129, Germany (the "Assignee").

WHEREAS, the Inventors are employees of the Assignee, and during the course of their employment have invented:

# A TRAFFIC INFORMATION SYSTEM FOR SPARSE AND INFREQUENT ONLINE TRAFFIC DATA

Docket ID No. 1786/US

and in respect of which has been filed:

US Provisional Patent Application No. 61/439,011 on 03 February 2011

WHEREAS, the Assignee is desirous of acquiring all right, title, and interest in and to the invention(s) as set forth in the aforementioned applications and the applications themselves.

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NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Assignor confirms any prior assignment to the Assignee and the right of the Assignee to file the aforementioned patent applications, such as by virtue of employment, and to the extent that the Assignor has not already done so. agrees to assign, and hereby does, sell, assign and transfer unto the Assignee 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 patent applications, to the patent 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 aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by the Assignee to the full end of the term for which the patents, utility models, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by the Assignor 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 Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, 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 Assignee without further or other compensation than that above set forth; and

the Assignor hereby covenants and agrees to allow any information in respect of the aforementioned application(s), including the application number and filing date, to be inserted above (after the execution of the Assignment) once such information is known.

## IN WITNESS WHEREOF, the Assignment is executed as of the date(s) given below:

Signature: De Oliveria	Witness1:
Name: Peter MIETH	Witness2:
Date: 1/4.4 111	
Signature: Signature:	Witness1:
Name: Stefan LÖRKOWSKI	Witness2: ///////////////////////////////////
Date: 14.4.4.1	***************************************
Signature: Signature: Name: Ralf-Peter SCHÄFER	Witness1: Witness2:
Date: 1304 204	<b>V</b> * * *
Signature: \(\(\lambda\) \(\lambda\)	Witness1:
Name: Nikolaus WITTE  Date: 4 04 20 (/	Witness2:

RECORDED: 03/23/2017