502798419 05/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2845015

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CLAYTON RICHARD MORLOCK	03/16/2012

RECEIVING PARTY DATA

Name:	TOMTOM NORTH AMERICA, INC.
Street Address:	11 LAFAYETTE STREET
City:	LEBANON
State/Country:	NEW HAMPSHIRE
Postal Code:	03766

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14356630

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2506/US
NAME OF SUBMITTER:	SOFIA FERREIRA
SIGNATURE:	/Sofia Ferreira/
DATE SIGNED:	05/07/2014

Total Attachments: 3

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PATENT 502798419 REEL: 032838 FRAME: 0140

ASSIGNMENT

This Patent Assignment is made

BETWEEN:

Clayton Richard MORLOCK, an American citizen residing at 30 Storrs Hill Rd., Lebanon NH

03766, New Hampshire, United States of America;

Borislav L. MENKOV, an American/Bulgarian citizen residing at 83 Lebanon St, Hanover NH

03755, New Hampshire, United States of America;

James Alan WITMER, an American citizen residing at 124 Prospect St. Ext., Lebanon NH

03766, New Hampshire, United States of America;

(the "Inventors", hereinafter referred to collectively as the "Assignor");

AND:

TomTom North America, Inc., an American company of 11 Lafayette Street, Lebanon NH

03766, New Hampshire, United States of America (the "Assignee").

WHEREAS, the Inventors are employees of the Assignee, and during the course of their

employment have invented:

A METHOD AND APPARATUS FOR TRAIL MAP GENERATION AND TRAIL ROUTING

AND A PHYSICAL TRAINING AID

Docket ID No. 2506/US

and in respect of which has been filed:

US Provisional Patent Application No. 61/561,345 on 18 November 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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PATENT

REEL: 032838 FRAME: 0141

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.

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

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Signature:	() C/42	30 M	X /	a Come	Market Control of the	

Name: Clayton Richard MORLOCK

Date: 16 Mar 200 >

Signature:

Name: Borislav MENKOV

Date: 16 Mar 2012

Signature: Cornes Clar William

Name: James Alan WITMER

Date: 16- March 2012