

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jaakko HANNUKAINEN</td> <td>06/01/2012</td> </tr> <tr> <td>Antti Johannes ERONEN</td> <td>05/07/2012</td> </tr> <tr> <td>Jussi LEPPANEN</td> <td>05/07/2012</td> </tr> <tr> <td>Amir ABDI</td> <td>06/04/2012</td> </tr> <tr> <td>Henri PURANEN</td> <td>06/01/2012</td> </tr> </tbody> </table>	Name	Execution Date	Jaakko HANNUKAINEN	06/01/2012	Antti Johannes ERONEN	05/07/2012	Jussi LEPPANEN	05/07/2012	Amir ABDI	06/04/2012	Henri PURANEN	06/01/2012	
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Henri PURANEN	06/01/2012												
RECEIVING PARTY DATA													
Name:	Nokia Corporation												
Street Address:	Keilalahdentie 4												
City:	Espoo												
State/Country:	FINLAND												
Postal Code:	FIN-02150												
PROPERTY NUMBERS Total: 1													
Property Type	Number												
Application Number:	13449824												
CORRESPONDENCE DATA													
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Correspondent Name:	Ditthavong Mori & Steiner, P.C.												
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ATTORNEY DOCKET NUMBER:	P6125US00												
NAME OF SUBMITTER:	Phouphanomketh Ditthavong												
Total Attachments: 3 source=NC77338US_P6125US00_Assignment#page1.tif source=NC77338US_P6125US00_Assignment#page2.tif source=NC77338US_P6125US00_Assignment#page3.tif													

OP \$40.00 13449824

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Jaakko Hannukainen, Antti Johannes Eronen, Jussi Leppanen, Amir Abdi, and Henri Puranen, hereby sell, assign, and transfer to Nokia Corporation, a corporation of Espoo, Finland, having a principal place of business at Keilalahdentie 4, Espoo, FIN-02150, Finland ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

METHOD AND APPARATUS FOR PROVIDING A CALCULATED
ROUTE USING WAYPOINTS ASSOCIATED WITH A TRAVELED
ROUTE

- ☐ which has been executed by the undersigned concurrently herewith,
☒ which was filed on April 18, 2012 and assigned Serial No. 13/449,824

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

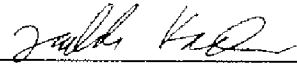
agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby grant(s) registered practitioners of the firm of Ditthavong Mori & Steiner, P.C. of 918 Prince Street, Alexandria, Virginia, 22314, the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Each Inventor: Please Sign and Date Below:

1.6.2012, 2012
Date


Name: Jaakko Hannukainen

_____, 20____
Date

Name: Antti Johannes Eronen

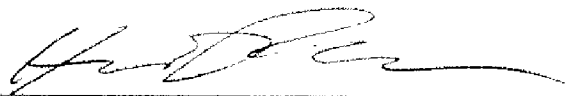
_____, 20____
Date

Name: Jussi Leppanen

4.6, 2012
Date


Name: Amir Abdi

1.6., 2012
Date


Name: Henri Puranen

Each Inventor: Please Sign and Date Below:

_____, 20____
Date

Name: Jaakko Hannukainen

May 7th, 2012
Date

Name: Antti Johannes Eronen

May 7th, 2012
Date

Name: Jussi Leppanen

_____, 20____
Date

Name: Amir Abdi

_____, 20____
Date

Name: Henri Puranen