

## 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>Sergey Boldyrev</td> <td>10/04/2012</td> </tr> <tr> <td>Debmalya Biswas</td> <td>09/25/2012</td> </tr> <tr> <td>Juha Kalevi Laurila</td> <td>09/25/2012</td> </tr> <tr> <td>Lauri Aarno Olavi Tarkkala</td> <td>01/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sergey Boldyrev	10/04/2012	Debmalya Biswas	09/25/2012	Juha Kalevi Laurila	09/25/2012	Lauri Aarno Olavi Tarkkala	01/04/2013
Name	Execution Date										
Sergey Boldyrev	10/04/2012										
Debmalya Biswas	09/25/2012										
Juha Kalevi Laurila	09/25/2012										
Lauri Aarno Olavi Tarkkala	01/04/2013										
RECEIVING PARTY DATA											
Name:	Nokia Corporation										
Street Address:	Keilalahdentie 4										
City:	Espoo										
State/Country:	FINLAND										
Postal Code:	FIN-02150										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13601614</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13601614						
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CORRESPONDENCE DATA											
Fax Number:	7035199958										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Correspondent Name:	Ditthavong Mori & Steiner, P.C.										
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ATTORNEY DOCKET NUMBER:	P6435US00										
NAME OF SUBMITTER:	Khouane Ditthavong										
Signature:	/Khouane Ditthavong/										

Date:

07/23/2013

**Total Attachments: 6**

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**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Sergey BOLDYREV, Debmalya BISWAS, Juha Kalevi LAURILA, Lauri Aarno Olavi TARKKALA, hereby sell, assign, and transfer to Nokia Corporation, a corporation of 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 VALIDATING  
CROWDSOURCED LOCATION DATA

- which has been executed by the undersigned concurrently herewith,  
 which was filed on August 31, 2012 and assigned Serial No. 13/601,614

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 Dithavong 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:**

Oct 4<sup>th</sup>, 2012  
Date

  
Name: Sergey BOLDYREV

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Debmalya BISWAS

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Juha Kalevi LAURILA

\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Lauri Aarno Olavi TARKKALA

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Date

\_\_\_\_\_  
Name: Sergey BOLDYREV

25 Sep, 2012  
Date

Debmalya Biswas  
\_\_\_\_\_  
Name: Debmalya BISWAS

25 Sep, 2012  
Date

Juha LL  
\_\_\_\_\_  
Name: Juha Kalevi LAURILA

\_\_\_\_\_, 20\_\_\_\_  
Date

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\_\_\_\_\_, 20\_\_\_\_  
Date

\_\_\_\_\_  
Name: Juha Kalevi LAURILA

4 Jan. 2013  
Date

  
\_\_\_\_\_  
Name: Lauri Aarno Olavi TARKKALA