

## 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>Lorant FARKAS</td> <td>11/24/2011</td> </tr> <tr> <td>Gyorgy CSEFAN</td> <td>01/03/2012</td> </tr> <tr> <td>Jozsef DOMBI</td> <td>01/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Lorant FARKAS	11/24/2011	Gyorgy CSEFAN	01/03/2012	Jozsef DOMBI	01/24/2012
Name	Execution Date								
Lorant FARKAS	11/24/2011								
Gyorgy CSEFAN	01/03/2012								
Jozsef DOMBI	01/24/2012								
RECEIVING PARTY DATA									
Name:	NOKIA SIEMENS NETWORKS OY								
Street Address:	Karaportti 3								
City:	Espoo								
State/Country:	FINLAND								
Postal Code:	02610								
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>13379091</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13379091				
Property Type	Number								
Application Number:	13379091								
CORRESPONDENCE DATA									
<p>Fax Number: (703)720-7802          Phone: 703-720-7800          Email: ipgeneraltyc@ssd.com,douglas.goldhush@squiresanders.com,linda.ritter@squiresanders.com  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p>									
<p>Correspondent Name: SQUIRE, SANDERS &amp; DEMPSEY (US) LLP          Address Line 1: 8000 TOWERS CRESCENT DRIVE          Address Line 2: 14TH FLOOR          Address Line 4: VIENNA, VIRGINIA 22182-6212</p>									
ATTORNEY DOCKET NUMBER:	089229.00495								

OP \$40.00 13379091

NAME OF SUBMITTER:

Douglas H. Goldhush

Total Attachments: 5

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**ASSIGNMENT**

For good and valuable consideration, I/we, the undersigned

**Assignor 1)  
Lorant Farkas**

residing at:

**II. Rakoczi Ferenc ut 93-95  
1112 Budapest  
HUNGARY**

**Assignor 2)  
Gyorgy Csefan**

residing at:

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Hu-5700 Gyula  
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**Assignor 3)  
Jozsef Dombi**

residing at:

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Hu-6720 Szeged  
HUNGARY**

**Assignor 4)**

residing at:

**Assignor 5)**

residing at:

**Assignor 6)**

residing at:

hereby sell, assign, and transfer to

Nokia Siemens Networks Oy

a Finnish corporation organized and existing under the laws of FINLAND , having its principal place of business in ESPOO , FINLAND herein the "Assignee", its successors, assigns and legal representatives the entire and exclusive right, title and interest in and for the United States, in all and to any improvements in the

(Title:) **GENERATING RELATIONAL INDICATORS BASED ON ANALYSIS OF TELECOMMUNICATIONS EVENTS**

disclosed in the application for Letters Patent designating the United States, said application being identified in our records as

Applicants File No. 2008P02642WOUS  
US-/PCT-Application No. PCT/EP2009/058096

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States on said improvements; hereby agree that said Assignee may apply for and receive Letters Patent 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 agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding 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 hereby 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 had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Assignor 1)**

Date: 24. 11. 2011



Lorant Farkas

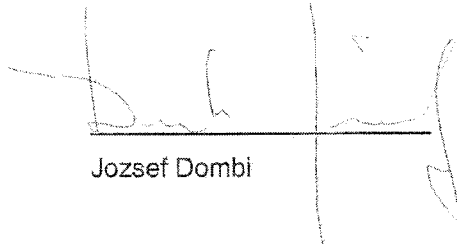
**Assignor 2)**

Date: 01/03/2012

  
\_\_\_\_\_  
Gyorgy Csefan

**Assignor 3)**

Date: Sept 2012 01/26



A handwritten signature in cursive script, appearing to read 'Dombi', is written over a horizontal line. The signature is positioned to the right of the date field.

Jozsef Dombi