

PATENT ASSIGNMENT COVER SHEET

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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>ESA TAPANI TIIROLA</td> <td>09/12/2013</td> </tr> <tr> <td>KARI JUHANI HOOLI</td> <td>09/11/2013</td> </tr> <tr> <td>KARI PEKKA PAJUKOSKI</td> <td>09/11/2013</td> </tr> <tr> <td>TIMO ERKKI LUNTTILA</td> <td>09/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	ESA TAPANI TIIROLA	09/12/2013	KARI JUHANI HOOLI	09/11/2013	KARI PEKKA PAJUKOSKI	09/11/2013	TIMO ERKKI LUNTTILA	09/17/2013
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<table border="1"> <tr> <td>Name:</td> <td>NOKIA SIEMENS NETWORKS OY</td> </tr> <tr> <td>Street Address:</td> <td>KARAPORTTI 3</td> </tr> <tr> <td>City:</td> <td>ESPOO</td> </tr> <tr> <td>State/Country:</td> <td>FINLAND</td> </tr> <tr> <td>Postal Code:</td> <td>02610</td> </tr> </table>		Name:	NOKIA SIEMENS NETWORKS OY	Street Address:	KARAPORTTI 3	City:	ESPOO	State/Country:	FINLAND	Postal Code:	02610
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CORRESPONDENCE DATA											
<p>Fax Number:</p> <p>Email: Aokrentowich@HSpatent.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: HARRINGTON & SMITH ATTORNEYS AT LAW, LLC</p> <p>Address Line 1: 4 RESEARCH DRIVE</p> <p>Address Line 4: SHELTON, CONNECTICUT 06484-6212</p>											
ATTORNEY DOCKET NUMBER:	863.0858.U1(US)										
NAME OF SUBMITTER:	ROBERT J. MAURI										
Signature:	/Robert J. Mauri/										
Date:	11/26/2013										

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Total Attachments: 6

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A S S I G N M E N T

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

Assignor 1)
Esa Tapani Tirola
residing at:
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90450 Kempele
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Assignor 3)
Kari Pekka Pajukoski
residing at:
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Kari Juhani Hooli
residing at:
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90540 Oulu
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Assignor 4)
Timo Erkki Lunttila
residing at:
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02200 Espoo
FINLAND

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:) **Signalling arrangement for Inter-site Carrier Aggregation having only single component carrier available in uplink direction**

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

Applicants File No. 2011P00652WOUS
US-/PCT-Application No. PCT/EP2011/059077

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.

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Assignor 1)

Date: 12.9.2013


Esa Tapani Tirola

Assignor 2)

Date: 11.9.2013



Kari Juhani Hooli

2011 00024000

3/0

Assignor 3)

Date:

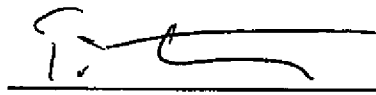
11.9.2013



Kari Pekka Pajukoski

Assignor 4)

Date: 17/9/2013

A handwritten signature in black ink, appearing to read 'Timo Erkki Lunttila', written over a horizontal line.

Timo Erkki Lunttila