

09/10/2012

863.0617.U1(US)

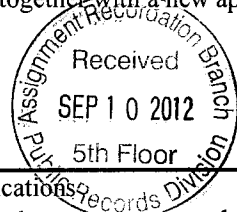



1 SHEET

Commissioner of Patents and Trademarks

103649034

Please refer to the enclosed sheet

1. Name of conveying party(ies): Klaus Ingemann PEDERSEN Yuanye WANG Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: Nokia Siemens Networks Oy Address: Karaportti 3 City: Espoo State: ZIP Code: 02610 Country: Finland Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: August 9, 2012, August 8, 2012 respectively			
4. Application number(s) or patent number(s): <input type="checkbox"/> This document is being filed together with a new application			
A. Patent Application No.(s): 13/578,374 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		B. Patent No.(s): 	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Robert Mauri Address: Harrington & Smith Attorneys at Law, LLC 4 Research Drive City: Shelton State: CT ZIP Code: 06484-6212		6. Total number of applications and/or patents involved: 1 7. Total fee (37 CFR 3.41):\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account	
		8. Deposit account number: <u>50-1924</u>	
DO NOT USE THIS SPACE			
9. Statement And Signature: <p style="text-align: center;"><i>To the best of my knowledge and belief, the foregoing information is true and correct and, the attached document is either an original document or a true copy of the original document.</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>Robert Mauri</u> Name of Person Signing</p> </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 30%; text-align: right;"> <p><u>9/5/12</u> Date</p> </div> </div> <p style="text-align: right;">Total number of pages including cover sheet(s): <u>5</u> <small>01 FC:0021 40.00 DA</small></p>			

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ASSIGNMENT

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

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Assignor 5)

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Assignor 6)

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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:) **Assignment of component carriers**

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

Applicants File No.

2009P01914WOUS

US-/PCT-Application No.

PCT/EP2010/051674

IDNR: 2589
FILED IN 2010/01/01

2009P01914WOUS

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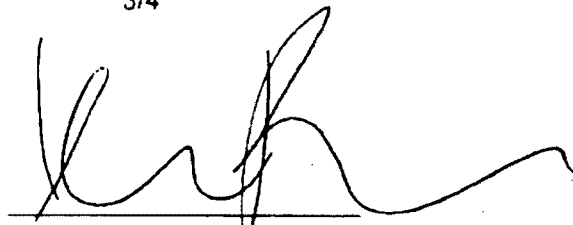
and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued 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: 9/8-2012



Klaus Ingemann Pedersen

Assignor 2)

Date Aug-08-2012



Yuanye Wang