

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7868124

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FRANK FREDERIKSEN	11/10/2009
TROELS EMIL KOLDING	10/27/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	NOKIA SIEMENS NETWORKS OY
<b>Street Address:</b>	KARAPORTTI 3
<b>City:</b>	ESPOO
<b>State/Country:</b>	FINLAND
<b>Postal Code:</b>	02610
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17862925
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(215)568-6499
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2155686400
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<b>ATTORNEY DOCKET NUMBER:</b>	WFT-P01844US5
<b>NAME OF SUBMITTER:</b>	ROBERT D. LEONARD
<b>SIGNATURE:</b>	/ROBERT D. LEONARD/
<b>DATE SIGNED:</b>	03/27/2023
<b>Total Attachments: 3</b>	
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source=WFT-P01844US3-Assignment_Inventors_to_NokiaSiemensNetworksOy_partone#page3.tif	

ASSIGNMENT

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

**Frank Frederiksen**  
residing at:  
**Hornbækvej 4**  
**9270 Klarup**  
**DENMARK**

**Troels Emil Kolding**  
residing at:  
**Sneppevej 21**  
**9270 Klarup**  
**DENMARK**

residing at:

residing at:

residing at:

residing at:

residing at:

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:) **Limited tree structure for reducing the L1/L2 control channel decoding complexity in 3GPP LTE**

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

Applicants File No. 2007P02348WOUS  
and filed as PCT-application PCT/EP2008/055557

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;

IDNR: 4248 / 20.12.2007

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.

Date: 10/11-09

Frank Frederiksen  
Frank Frederiksen

Witnesses: JYTTIE LARSEN  
(type name)

Jyttie Larsen

Witnesses: ISTVAN Z. KOVACS  
(type name)

Istvan Kovacs

Date: \_\_\_\_\_

\_\_\_\_\_  
Troels Emil Kolding

Witnesses: \_\_\_\_\_  
(type name)

Witnesses: \_\_\_\_\_  
(type name)

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.

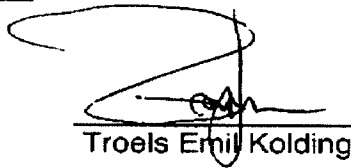
Date: \_\_\_\_\_

\_\_\_\_\_  
Frank Frederiksen

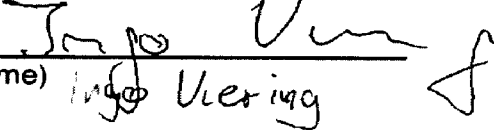
Witnesses: \_\_\_\_\_  
(type name)

Witnesses: \_\_\_\_\_  
(type name)

Date: 27/10-09

  
\_\_\_\_\_  
Troels Emil Kolding

Witnesses:   
(type name) ANDREAS LOBINGER

Witnesses:   
(type name) Inge Vering