

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Pasi Ojala	02/16/2009
Ari Lakaniemi	02/16/2009
RECEIVING PARTY DATA	
Name:	Nokia Corporation
Street Address:	Keilalahdentie 4
City:	Espoo
State/Country:	FINLAND
Postal Code:	FIN-02150
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12234512
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	P.O. BOX 80278
Address Line 4:	SAN DIEGO, CALIFORNIA 92138-0278
ATTORNEY DOCKET NUMBER:	037145-8927
NAME OF SUBMITTER:	G. Peter Albert, Jr.

OP \$40.00 12234512

Total Attachments: 4  
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# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

<p>1. Name of conveying party(ies):</p> <p style="margin-left: 40px;"><b>Pasi Ojala</b> <b>Ari Lakaniemi</b></p> <p style="margin-left: 40px;">Additional conveying party(ies) <b>NO</b></p>	<p>2. Name and address of receiving party(ies):</p> <p style="margin-left: 40px;"><b>Nokia Corporation</b> <b>Keilalahdentie 4</b> <b>Espoo</b> <b>FIN-02150</b> <b>Finland</b></p> <p style="margin-left: 40px;">Additional name(s) &amp; address(es) attached? <b>NO</b></p>												
<p>3. Nature of conveyance: <b>ASSIGNMENT</b></p> <p>Execution Date: <b>16 February 2009</b></p>	<p>4. Application number(s) or patent number(s):</p> <p>If this is being filed together with a new application, the execution date of the application is:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 5px;"> <p>A. Patent Application Number(s):</p> <p style="text-align: center;"><b>12/234,512</b></p> </td> <td style="width: 50%; padding: 5px;"> <p>B. Patent Number(s):</p> </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 5px;">Additional numbers attached? <b>NO</b></td> </tr> </table>	<p>A. Patent Application Number(s):</p> <p style="text-align: center;"><b>12/234,512</b></p>	<p>B. Patent Number(s):</p>	Additional numbers attached? <b>NO</b>									
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Additional numbers attached? <b>NO</b>													
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p style="margin-left: 40px;"><b>G. Peter Albert Jr.</b> <b>FOLEY &amp; LARDNER LLP</b> <b>P.O. Box 80278</b> <b>San Diego, California 92138-0278</b></p>	<p>6. Total number of applications/patents involved: <b>1</b></p> <p>7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b></p> <p style="margin-left: 40px;">Check Enclosed</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Authorized to be charged to credit card</p> <p style="margin-left: 40px;"><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Payment Information</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;">a. Credit Card</td> <td style="width: 30%;">Last 4 Numbers</td> <td style="width: 40%;"><b>7259</b></td> </tr> <tr> <td></td> <td>Expiration Date</td> <td><b>11/30/2011</b></td> </tr> <tr> <td>b. Deposit account number</td> <td></td> <td><b>19-0741</b></td> </tr> <tr> <td colspan="3">Authorized User Name</td> </tr> </table>	a. Credit Card	Last 4 Numbers	<b>7259</b>		Expiration Date	<b>11/30/2011</b>	b. Deposit account number		<b>19-0741</b>	Authorized User Name		
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	Expiration Date	<b>11/30/2011</b>											
b. Deposit account number		<b>19-0741</b>											
Authorized User Name													
<b>DO NOT USE THIS SPACE</b>													
<p>9. Statement and signature:</p> <p style="margin-left: 40px;"><i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.</i></p>													
<p style="margin-left: 40px;"><b>G. Peter Albert Jr.</b></p>	<p style="margin-left: 40px;"><b>/G. Peter Albert, Jr./</b></p>	<p style="margin-left: 40px;"><b>5 March 2009</b></p>											
Name of person signing	Signature	Date											
Total number of pages including cover sheet, attachments, and document: <b>4</b>													

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Nokia Corporation  
Keilalahdentie 4  
Espoo  
FIN-02150  
Finland

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions in and to this invention relating to

**SCALABLE ERROR DETECTION AND CROSS-SESSION TIMING SYNCHRONIZATION FOR PACKET-SWITCHED TRANSMISSION**

as set forth in this United States Patent Application

*Check one*       executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No. 12/234,512 Filed 9/19/2008  
and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative

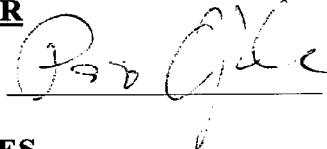
proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

**NAME AND SIGNATURE OF INVENTOR**

NAME: PASI OJALA      SIGNATURE:       DATE: 16 Feb 2009

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_  
NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ARI LAKANIEMI      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_  
NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

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proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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**NAME AND SIGNATURE OF INVENTOR**

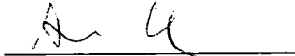
NAME: PASI OJALA      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

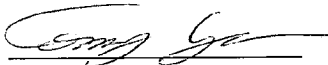
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NAME: \_\_\_\_\_      SIGNATURE: \_\_\_\_\_      DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF INVENTOR**

NAME: ARI LAKANIEMI      SIGNATURE:       DATE: February 16, 2009

**NAME AND SIGNATURE OF WITNESSES**

NAME: Tommy Gorman      SIGNATURE:       DATE: February 16th 2009

NAME: Jussi Nervon      SIGNATURE:       DATE: February 16 2009

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