

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Pedro HOJEN-SORENESEN</td><td>02/05/2008</td></tr><tr><td>Morten With PEDERSEN</td><td>02/05/2008</td></tr></tbody></table>	Name	Execution Date	Pedro HOJEN-SORENESEN	02/05/2008	Morten With PEDERSEN	02/05/2008					
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Pedro HOJEN-SORENESEN	02/05/2008										
Morten With PEDERSEN	02/05/2008										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Nokia Corporation</td></tr><tr><td>Street Address:</td><td>Keilalahdentie 4</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>02150</td></tr></table>	Name:	Nokia Corporation	Street Address:	Keilalahdentie 4	City:	Espoo	State/Country:	FINLAND	Postal Code:	02150	
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PROPERTY NUMBERS Total: 1											
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Application Number:	12045534										
CORRESPONDENCE DATA											
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Total Attachments: 2 source=01057_1300_Assignment#page1.tif source=01057_1300_Assignment#page2.tif											

OP \$40.00 12045534

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PATENT  
REEL: 020625 FRAME: 0602

Attorney Docket No.: 01057\_1300  
Client Docket No.: NM5566-02US

### ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned, Pedro HOJEN-SORENSEN, and Morten With PEDERSEN, hereby sell, assign, and transfer to Nokia Corporation, a corporation of Espoo, Finland, having a principal place of business at Keilalahdentie 4, 02150 Espoo, Finland ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

#### METHOD AND APPARATUS OF RECURSIVE TIME-FREQUENCY CHANNEL ESTIMATION

- ☒ which has been executed by the undersigned concurrently herewith,  
☐ which was filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_\_

and in to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents 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 Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives 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

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 has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

5/2 . 2008  
Date

Pedro Hojen-Sorensen  
Name: Pedro HOJEN-SORENSEN

5/2 . 2008  
Date

Morten W Pedersen  
Name: Morten With PEDERSEN