

PATENT ASSIGNMENT

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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>Tsuyoshi KASHIMA</td> <td>02/14/2010</td> </tr> <tr> <td>Sigit JAROT</td> <td>08/03/2010</td> </tr> <tr> <td>Frank FREDERIKSEN</td> <td>06/29/2010</td> </tr> <tr> <td>Troels KOLDING</td> <td>06/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Tsuyoshi KASHIMA	02/14/2010	Sigit JAROT	08/03/2010	Frank FREDERIKSEN	06/29/2010	Troels KOLDING	06/29/2010
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Sigit JAROT	08/03/2010										
Frank FREDERIKSEN	06/29/2010										
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RECEIVING PARTY DATA											
Name:	NOKIA CORPORATION										
Street Address:	Keilalahdentie 4										
City:	Espoo										
State/Country:	FINLAND										
Postal Code:	02150										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12532085</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12532085						
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CORRESPONDENCE DATA											
Fax Number:	(972)894-5619										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	Anand Gupta										
Total Attachments: 5											

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**PATENT
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ASSIGNMENT

WHEREAS, we,

(1)	Tsuyoshi Kashima	of	Tokyo, Japan
(2)	Sigit Jarot	of	Kuala Lumpur, Malaysia
(3)	Frank Frederiksen	of	Klarup, Denmark
(4)	Troels Kolding	of	Klarup, Denmark

have invented certain improvements in

**METHOD AND APPARATUS FOR ALLOCATING RESOURCES
USING NESTED BIT MAPPING**

For which we have executed an application for Letters Patent of the United States of America submitted for filing on September 18, 2009 and assigned application no. 12/532,085, which is a 371 National Phase Application of International Application No. PCT/IB2008/000664 filed March 18, 2008, which claims priority to U.S. Application No. 60/895,616 filed March 19, 2007; and

WHEREAS, NOKIA CORPORATION, a corporation organized under the laws of Finland, having its principal office in Espoo, Finland (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and under the said invention and the said application, and in and to any and all Letters Patent which shall be granted therefore in the United States of America and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and do hereby sell, assign, transfer and convey unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and to said invention and application, and in all divisionals, reissues, substitutions, continuations, continuation-in-part and, in any and all Letters Patents of the United States of America and all foreign countries or reissues, reexaminations, or extensions thereof which may be granted therefore or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

WE ALSO HEREBY authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom to the said ASSIGNEE of my entire right, title and interest.

WE FURTHER HEREBY sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including, without limitation, the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries. We further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

WE HEREBY covenant that we have not and we will not execute any agreement in conflict herewith.

WE HEREBY further covenant, and agree to bind our heirs, legal representatives, and assigns, promptly to communication to said ASSIGNEE or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said ASSIGNEE, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date indicated below.



Tsuyoshi Kashima

Feb. 14, 2010

Date




Witness Signature

Printed Name Koki Kawamarita

Feb 14, 2010

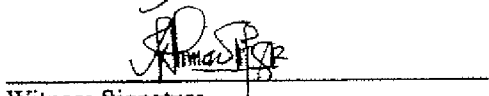
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date indicated below.



Sigit Jarot

03.08.2010
Date



Witness Signature
Printed Name AKHMAD UNGGUL PRIANTORO

03.08.2010
Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date indicated below.


Frank Frederiksen
Frank Frederiksen

29/6-2010
Date

Witness Signature
Printed Name _____

Date

IN WITNESS WHEREOF, I have hereunto set my hand and seal on the date indicated below.



Troels Kolding

29/
8-2010

Date

Witness Signature
Printed Name _____

Date