

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Vesa Lahtinen</td><td>09/24/2006</td></tr><tr><td>Tapio Hill</td><td>10/25/2006</td></tr><tr><td>Kimmo Kuusilinna</td><td>10/24/2006</td></tr><tr><td>Jari Nikara</td><td>10/30/2006</td></tr><tr><td>Mika Kuulusa</td><td>10/30/2006</td></tr><tr><td>Tommi Makelainen</td><td>11/13/2006</td></tr></tbody></table>	Name	Execution Date	Vesa Lahtinen	09/24/2006	Tapio Hill	10/25/2006	Kimmo Kuusilinna	10/24/2006	Jari Nikara	10/30/2006	Mika Kuulusa	10/30/2006	Tommi Makelainen	11/13/2006	
Name	Execution Date														
Vesa Lahtinen	09/24/2006														
Tapio Hill	10/25/2006														
Kimmo Kuusilinna	10/24/2006														
Jari Nikara	10/30/2006														
Mika Kuulusa	10/30/2006														
Tommi Makelainen	11/13/2006														
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					
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>11543351</td></tr></tbody></table>	Property Type	Number	Application Number:	11543351											
Property Type	Number														
Application Number:	11543351														
CORRESPONDENCE DATA															
Fax Number: (952)854-2722 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone: 952-854-2700															
Email: tdotter@hfiplaw.com															
Correspondent Name: Steven R. Funk															
Address Line 1: 8009 34th Avenue South															
Address Line 2: Suite 125															
Address Line 4: Minneapolis, MINNESOTA 55425															
ATTORNEY DOCKET NUMBER:	BKS.033.A1														

CH \$40.00 11543351

500179167

PATENT
REEL: 018518 FRAME: 0527

NAME OF SUBMITTER:

Steven R. Funk

Total Attachments: 7

source=BKS.033#page1.tif

source=BKS.033#page2.tif

source=BKS.033#page3.tif

source=BKS.033#page4.tif

source=BKS.033#page5.tif

source=BKS.033#page6.tif

source=BKS.033#page7.tif

PATENT

REEL: 018518 FRAME: 0528

ASSIGNMENT

WHEREAS, I/we: Vesa Lahtinen, residing at Eramiehentie 2 B 10, 36200 Kangasala, Finland; Tapio Hill, residing at Tullikirjurintie 4 A 2, 00750 Helsinki, Finland; Kimmo Kuusilinna, residing at Nyyrikintie 8 B 11, 33540 Tampere, Finland; Jari Nikara, residing at Ahvenisraitti 24 B 28, 33720 Tampere, Finland; Mika Kuulusa, residing at Kapteeninkatu 7 D 72, 00140 Helsinki, Finland; and Tommi Makelainen, residing at Suojastotie 25 A 1, 32210 Loimaa, Finland, made certain new and useful inventions and improvements for which I/we herewith file an application for which I/we filed an application for Letters Patent of the United States; which is entitled, **3D CHIP ARRANGEMENT INCLUDING MEMORY MANAGER**, having serial number 11/543,351 filed on October 5, 2006 (Atty. Docket No. BKS.033.A1).

AND WHEREAS, Nokia Corporation, a corporation organized under the laws of Finland and having an office and place of business at Keilalahdentie 4, FIN-02150 Espoo, FINLAND (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, I/we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I/we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I/we do hereby agree that I/we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me/us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its


Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

24 - September - 2006
(day) (month) (year)


Vesa Lahtinen

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Tapio Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Kimmo Kuusilinna

Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

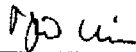
IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____-_____-_____
(day) (month) (year)

Vesa Lahtinen

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

25 - OCTOBER - 2006
(day) (month) (year)


Tapio Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

_____-_____-_____
(day) (month) (year)

Kimmo Kuusilinna

Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I/we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us and that full right to convey the same as herein expressed is possessed by me/us.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Vesa Lahtinen

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Tapio Hill

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

24 October 2006
(day) (month) (year)

Kimmo Kuusilinna
Kimmo Kuusilinna

Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

30 - 10 - 2006
(day) (month) (year)

Jari Nikara
Jari Nikara

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Mika Kuulusa

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Tommi Makelainen

Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

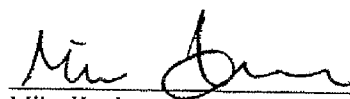
IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Jari Nikara

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

30 . 10 . 06
(day) (month) (year)



Mika Kuulusa

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

(day) (month) (year)

Tommi Makelainen

Docket No.: BKS.033.A1
U.S. S/N: 11/543,351

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Jari Nikara

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

____ - ____ - ____
(day) (month) (year)

Mika Kuulusa

IN TESTIMONY WHEREOF, I have hereunto set my hand on this date:

13 - November - 2006
(day) (month) (year)



Tommi Makelainen