

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>Tapio Koivukangas</td><td>11/15/2005</td></tr><tr><td>Veikko Loukusa</td><td>11/15/2005</td></tr></tbody></table>		Name	Execution Date	Tapio Koivukangas	11/15/2005	Veikko Loukusa	11/15/2005				
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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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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: rjohnson@hfiplaw.com											
Correspondent Name: Erin M. Nichols											
Address Line 1: 8009 34th Avenue South											
Address Line 2: Suite 125											
Address Line 4: Minneapolis, MINNESOTA 55425											
ATTORNEY DOCKET NUMBER:	KOL.198.WUS										
NAME OF SUBMITTER:	Erin M. Nichols										
Total Attachments: 2 source=KOL.198.WUS - Assignment#page1.tif source=KOL.198.WUS - Assignment#page2.tif											

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PATENT

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REEL: 017676 FRAME: 0335

ASSIGNMENT

WHEREAS, we: Tapio KOIVUKANGAS and Veikko LOUKUSA, residing at Kyytitie 11, FI-90310 Oulu, Finland and Kivikkokankaantie 14, FI-90240 Oulu, Finland; made certain new and useful inventions and improvements for which we herewith file an application for which Letters Patent of the United States; which is entitled: Method and arrangement of testing device in mobile station; having serial number 10/552,403 and filed on 7 October 2005 (Atty. Docket No. KOLS.198.WUS/2030383US).

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, 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 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, we do hereby agree that 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 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 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.

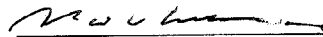
AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed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

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of
November, 2005.



Tapio Koivukangas

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of
November, 2005.



Veikko Loukusa