

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>Janne Jalkanen</td> <td>10/16/2003</td> </tr> <tr> <td>Heikki Huomo</td> <td>10/16/2003</td> </tr> <tr> <td>Petri Vesikivi</td> <td>10/16/2003</td> </tr> </tbody> </table>		Name	Execution Date	Janne Jalkanen	10/16/2003	Heikki Huomo	10/16/2003	Petri Vesikivi	10/16/2003
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Janne Jalkanen	10/16/2003								
Heikki Huomo	10/16/2003								
Petri Vesikivi	10/16/2003								
RECEIVING PARTY DATA									
Name:	Nokia Corporation								
Street Address:	Keilalahdentie 4								
City:	Espoo								
State/Country:	FINLAND								
Postal Code:	FIN-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>13481327</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13481327				
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Application Number:	13481327								
CORRESPONDENCE DATA									
Fax Number:	(704)444-1111								
Phone:	704-444-1000								
Email:	patent-mail@alston.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Guy R. Gosnell								
Address Line 1:	101 S. Tryon Street, Suite 4000								
Address Line 2:	Alston & Bird LLP								
Address Line 4:	Charlotte, NORTH CAROLINA 28280-4000								
ATTORNEY DOCKET NUMBER:	042933/419666								
NAME OF SUBMITTER:	Guy R. Gosnell								
Total Attachments: 2 source=ASSIGN419666#page1.tif source=ASSIGN419666#page2.tif									

CH \$40.00 13481327

ASSIGNMENT

THIS ASSIGNMENT, made by us, Janne Jalkanen, citizen of Finland, residing at Aleksis Kiven katu 52-54 A 15, 00510 Helsinki, Finland; Heikki Huomo, citizen of Finland, residing at Reikkotie 13, 90650 Oulu, Finland; and Petri Vesikivi, citizen of Finland, residing at Lintupiha 12 a B, 02660 Espoo, Finland, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in TERMINAL, METHOD AND COMPUTER PROGRAM PRODUCT FOR INTERACTING WITH A SIGNALING TAG for which an application for United States Letters Patent has been executed by us concurrently herewith,

WHEREAS, NOKIA CORPORATION, a Finland corporation having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues, reexaminations, or extensions thereof which may be granted therefor 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 hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant, and agree to bind our heirs, legal representatives, and assigns, promptly to communicate 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.

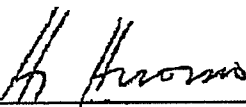
IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 16
day of October, 2003.



Jukka Jalkanen (SEAL)

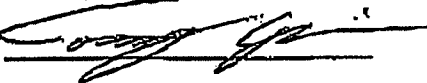
Witness:






Heikki Huomo (SEAL)

Witness:





Petri Vesikivi (SEAL)

Witness:



CLT01/4614317v1