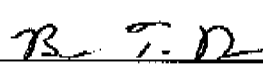


Form PTO-1595

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<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p> <p>Execution Date: <b>November 20, 2000</b></p>	
<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No. (s): <b>29/129,319</b>      B. Patent No.(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Brian T. Rivers, Esq.</b>  Address: <b>Nokia Inc. MD 1-4-755 6000 Connection Drive</b></p> <p>City: <b>Irving</b></p> <p>State: <b>TX</b>      ZIP Code: <b>75039</b></p>	<p>6 Total number of applications and/or patents involved: <b>One (1)</b></p> <p>7. Total fee (37 CFR 3.41): <b>\$40.00</b></p> <p><input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Charge deposit account  <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account</p> <p>8. Deposit account number: <b>50-0270</b></p>
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<p>9. Statement And Signature:</p> <p><i>To the best of my knowledge and belief, the foregoing information is true and correct, and the attached document is either an original document or a true copy of the original document.</i></p> <p><u>Brian T. Rivers</u>      <u></u>      <u>1/3/01</u>  Name of person signing      Signature      Date</p> <p style="text-align: right;">Total number of pages including cover sheet(s): <b>4</b>  Page 1 of 1</p>	

Attorney's Docket No. NC20383

**PATENT**

For:  U.S. and/or  Foreign Rights  
 For:  U.S. Application or  
 U.S. Provisional Application  
 For:  U.S. Patent  
 For:  PCT Application  
 By:  Inventor(s) or  Present Owner

**ASSIGNMENT OF INVENTION**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:**

Inventor or person or  
entity who owns the  
invention

Panu Johansson  
[type or print name of ASSIGNOR]

Kyvajantie 19  
Address

FIN-33340 Tampere Finland

Finland  
Nationality

(if assignment is by person or entity to whom invention was previously assigned  
and this was recorded in PTO, add the following)

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hereby sells, assigns and transfers to

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NOKIA MOBILE PHONES LIMITED  
[type or print name(s) of ASSIGNEE(S)]

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Address

02150 ESPOO

FINLAND  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

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 an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest

for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

Communicator

Name of inventor Panu Johansson

[check and complete (a), (b), (c), (d), (e), (f) or (g)]

and which is found in

- (a)  U.S. patent application executed on even date herewith  
 (b)  U.S. patent application executed on \_\_\_\_\_  
 (c)  U.S. provisional application naming the above inventor(s) for the above-entitled invention.  
 Express mail label no.: \_\_\_\_\_  
 Mailed: \_\_\_\_\_  
 To comply with 37 CFR 3.21 for recordal of this assignment, I, the ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.  
 (d)  U.S. application no. 29/129,319 filed on September 12, 2000  
 (e)  International application no. PCT/\_\_\_\_\_  
 (f)  U.S. patent no. \_\_\_\_\_ issued  
 A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.  
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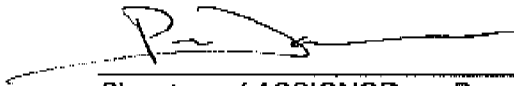
and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

**WARNING:** *The date of signing must be the date of execution of this application, if item (a) was checked above.*

Date: 20th Nov. 2000

  
 \_\_\_\_\_  
 Signature of ASSIGNOR Panu Johansson

(if ASSIGNOR is a legal entity, complete the following information)

\_\_\_\_\_  
 (type or print the name of the above person authorized to sign on behalf of ASSIGNOR)

\_\_\_\_\_  
 Title

**NOTE:** *No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.*

Notarization or Legalization Page Added.