

01-22-2007

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To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1-17-07

1. Name of conveying party(ies)/Execution Date(s):

Martti Voutilainen

Execution Date(s) December 18, 2006

Additional name of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Nokia Corporation

Internal Address: _____

Street Address: Keilalahdentie 4

City: Espoo

State: _____

Country: Finland Zip: FIN-02150

Additional Name(s) & address(es) attached? Yes No

112955 U.S. PTO
11/653929

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3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Bradley C. Wright

Internal Address: _____

Street Address: Banner & Witcoff, Ltd.

1001 G St. N.W.

City: Washington

State: DC Zip: 20001

Phone Number : 202-824-3000

Fax Number: 202-824-3001

Email Address: bwright@bannerwitcoff.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 19-0733

Authorized User Name Bradley C. Wright

9. Signature :

January 17, 2007

Signature

Date

Bradley C. Wright, Reg. No. 38,061

Total number of pages including cover sheet, attachments, and documents

3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

00861084210587

BW Ref. No.: 006919.00005

Eisenführ, Speiser & Partner Ref No.: NM 5403-02US

ASSIGNMENT

WHEREAS, I, Martti Voutilainen, residing at Pensaskertuntie 17, 02660 Espoo 66, Finland, (ASSIGNOR), am the inventor of certain inventions and improvements described in a U.S. patent application identified by Attorney Docket No. 006919.00005 and having the title

SIMULTANEOUS BIDIRECTIONAL CABLE INTERFACE

which application is executed concurrently herewith, unless the following box is checked:

was filed on _____ as U.S. Application Serial No. or PCT International Application Number _____ and WHEREAS

Nokia Corporation
Keilalahdentie 4
FIN-02150 ESPOO
FINLAND

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

I hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And I covenant that I have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement or do anything in conflict herewith;

And I further covenant and agree that I will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

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BW Docket # 006919.00005
Client Ref: NM 5403-02US

And I authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and I authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And I hereby grant my attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: 18.12.2006 Inventor:



Martti Voutilainen

Note: No legalization or other witness required.

LAW OFFICES
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