

11-24-1999



101179485

RECORDATION FORM COVER SHEET PATENTS ONLY

Form PTO-1595

Commissioner of Patents and Trademarks, Washington, D.C. 20231

Please record the attached document

1. Name of conveying party(ies):

Giridhar D. Mandyam

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

2. Name and Address of receiving party(ies):

Name: Nokia Mobile Phones Limited

Address: Keilalahdentie 4
02150 Espoo
Finland

City: Espoo

Country: Finland

Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other: Substitute Cover Sheet to correct name
of conveying party of assignment previously
recorded at Reel 010075/Frame 0546. Originally
filed Assignment and Cover Sheet and Notice of
Recordation are attached.

Execution Date: 06/30/99

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:

A. Patent Application No. (s): 09/343,829

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Brian T. Rivers, Esq.
Address: Nokia Inc.
6000 Connection Drive

City: Irving

State: TX

ZIP Code: 75039

6 Total number of applications and/or patents involved: One (1)

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed
☒ Charge deposit account
☒ Please charge any fee deficiency to deposit
account

8. Deposit account number: 50-0270

DO NOT USE THIS SPACE

9. Statement And Signature:

*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.*

Brian T. Rivers

Name of person signing

B. T. Rivers
Signature

9/22/99
Date

Total number of pages including cover sheet(s): 7

Page 1 of 1

07-12-1999



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Form PTO-1595

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RECORDATION FORM COVER SHEET PATENTS ONLY

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6/30/99

| | | | | | | |
|---|---------------|--|--|--|---------------|------------------------|
| 1. Name of conveying party(ies): Giridhard D. Mandyam Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | 2. Name and Address of receiving party(ies): Name: Nokia Mobile Phones Limited Address: Keilalahdentie 4 02150 Espoo Finland City: Espoo Country: Finland Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| 3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: June 30, 1999 | | 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: June 30, 1999 A. Patent Application No. (s): B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Brian T. Rivers, Esq. Address: Nokia Inc. 6000 Connection Drive City: Irving State: TX ZIP Code: 75039 | | 6. Total number of applications and/or patents involved: One (1) 7. Total fee (37 CFR 3.41): \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account 8. Deposit account number: 50-0270 | | | | |
| DO NOT USE THIS SPACE | | | | | | |
| 9. Statement And Signature: <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> <table border="0" style="width: 100%;"> <tr> <td style="width: 33%; text-align: center;"> <u>Brian T. Rivers</u> Name of person signing </td> <td style="width: 33%; text-align: center;"> Signature </td> <td style="width: 33%; text-align: center;"> <u>6/30/99</u> Date </td> </tr> </table> <p style="text-align: right;">Total number of pages including cover sheet(s): 5</p> | | | | <u>Brian T. Rivers</u> Name of person signing | Signature | <u>6/30/99</u> Date |
| <u>Brian T. Rivers</u> Name of person signing | Signature | <u>6/30/99</u> Date | | | | |

Page 1 of 1

07/12/1999 DNGUYEN 00000125 500270 09343829

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40.00 CH

PATENT
REEL: 010280 FRAME: 0323

Attorney's Docket No. NC17082

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

Giridhar D. Mandyam
[type or print name of ASSIGNOR]

9010 Markville Drive #1006
Address

Dallas, Texas 75243

American
Nationality

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

Recorded on _____

Reel _____

Frame _____

hereby sells, assigns and transfers to

ASSIGNEE:

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

KEILALAHDENTIE 4
Address

02150 ESPOO

FINLAND
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- ☒ the entire right, title and interest
☐ 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:

Adaptive Quantization in a Pulse-Amplitude Modulated System

Name of inventor Giridhar d. Mandyam

[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. _____ filed on _____
(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.

[also check (g), if application(s) is also being assigned]

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

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.

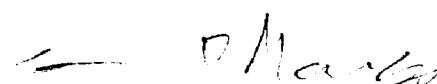
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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:

6/30/99



Signature of ASSIGNOR Giridhar D. Mandyam

(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.

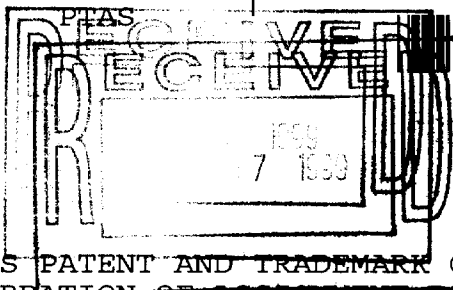


**UNITED STATES DEPARTMENT OF COMMERCE
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SEPTEMBER 08, 1999

NOKIA INC.
BRIAN T. RIVERS, ESQ.
6000 CONNECTION DRIVE
IRVING, TX 75039



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**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/30/1999

REEL/FRAME: 010075/0546
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MANDYAM, GIRIDHARD D.

DOC DATE: 06/30/1999

ASSIGNEE:

NOKIA MOBILE PHONES LIMITED
KEILALAHDENTIE 4
02150 ESPOO, FINLAND

SERIAL NUMBER: 09343829

FILING DATE: 06/30/1999

PATENT NUMBER:

ISSUE DATE:

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECORDED: 09/27/1999

**PATENT
REEL: 010280 FRAME: 0327**