

4-17-04

The Honorable Commissioner of Patents and Trademarks

national documents or copy thereof.



102728666

Name and address of receiving party(ies):

1. Name of conveying party(ies):
Matthew J. Murray
Michael Townsend
Chris Eaton
Gregory S. Patterson

Name: Sony Ericsson Mobile Communications AB

Internal Address: _____

Additional names of conveying party(ies) attached? yes no

Street Address: Nya Vattentorget

3. Nature of conveyance:

City S-221 88 Lund, Sweden

- Assignment
- Security Agreement
- Other _____
- Merger
- Change of Name

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

Execution Date: April 14, 2004 and April 16, 2004

16235 U.S. PTO
40827044
041704

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

10827044

If this document is being filed together with a new application, the execution date of the application is: April 14, 2004 and April 16, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: David E. Bennett

Internal Address: Coats & Bennett, P.L.L.C.

Street Address: 1400 Crescent Green, Suite 300

City: Cary State: NC Zip: 27511

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 18-1167

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David E. Bennett
Name of Person Signing

David E. Bennett
Signature

4/19/04
Date

Total number of pages comprising cover sheet: 1

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U.S. PATENT AND TRADEMARK OFFICE 00000019 10827044

40.00 04

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which I acknowledge receipt, I, **Matthew J. Murray**, a citizen of the United States, residing at **3021 Walnut Creek Pkwy., Apt. H., Raleigh, North Carolina 27606**; **Michael Townsend**, a citizen of the United States, residing at **401 Clarion Dr., Durham, North Carolina 27705**; **Chris Eaton**, a citizen of the United States, residing at **204 Wentbridge Rd., Cary, North Carolina 27519**; and **Gregory S. Patterson**, a citizen of the United States, residing at **106 Holly Creek Road, Morrisville, North Carolina 27560**; sell and assign to Sony Ericsson Mobile Communications AB, a corporation organized under the laws of Sweden, having registered offices at Nya Vattentornet, S-221 88 Lund, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in **VARIABLE-ECCENTRICITY TACTILE GENERATOR**, invented by me, as described in the application for United States patent executed concurrently herewith, and any and all applications for patent and patents therefore in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting there from to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

April. 14, 2004
Date

14 April 2004
Date

April 14 2004
Date

Date

Matthew J. Murray
Matthew J. Murray

Michael D. Townsend
Michael Townsend

Chris Eaton
Chris Eaton

Gregory S. Patterson

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which I acknowledge receipt, I, **Matthew J. Murray**, a citizen of the United States, residing at **3021 Walnut Creek Pkwy., Apt. H., Raleigh, North Carolina 27606**; **Michael Townsend**, a citizen of the United States, residing at **401 Clarion Dr., Durham, North Carolina 27705**; **Chris Eaton**, a citizen of the United States, residing at **204 Wentbridge Rd., Cary, North Carolina 27519**; and **Gregory S. Patterson**, a citizen of the United States, residing at **106 Holly Creek Road, Morrisville, North Carolina 27560**; sell and assign to Sony Ericsson Mobile Communications AB, a corporation organized under the laws of Sweden, having registered offices at Nya Vattentorget, S-221 88 Lund, Sweden (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in **VARIABLE-ECCENTRICITY TACTILE GENERATOR**, invented by me, as described in the application for United States patent executed concurrently herewith, and any and all applications for patent and patents therefore in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting there from to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

Date

Matthew J. Murray

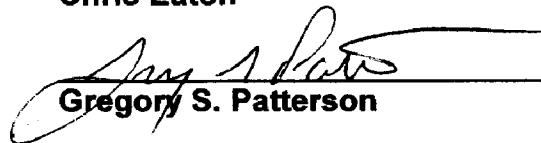
Date

Michael Townsend

Date

Chris Eaton

4-16-04
Date



Gregory S. Patterson

ASSIGNMENT LETTER

STATE OF NORTH CAROLINA
WAKE County

I, Donna J. Lewis, a Notary Public for said County and State,
do hereby certify that **Matthew J. Murray** personally appeared before me this day and
acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of April,
2004.

(Official Seal)

Donna J. Lewis
Notary Public

My commission expires 1-19-, 2008.

STATE OF NORTH CAROLINA
WAKE County

I, Donna J. Lewis, a Notary Public for said County and State,
do hereby certify that **Michael Townsend** personally appeared before me this day and
acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of April,
2004.

(Official Seal)

Donna J. Lewis
Notary Public

My commission expires 1-19-, 2008.

ASSIGNMENT LETTER

STATE OF NORTH CAROLINA
WAKE County

I, Donna F. Lewis, a Notary Public for said County and State,
do hereby certify that **Chris Eaton** personally appeared before me this day and acknowledged
the due execution of the foregoing instrument.

Witness my hand and official seal, this the 14th day of April,
2004.

(Official Seal)

Donna F. Lewis
Notary Public

My commission expires 1-19-2008.

STATE OF NORTH CAROLINA
_____ County

I, _____, a Notary Public for said County and State,
do hereby certify that **Gregory S. Patterson** personally appeared before me this day and
acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____,
20_____.

(Official Seal)

Notary Public

My commission expires _____, _____.

ASSIGNMENT LETTER

STATE OF NORTH CAROLINA
_____ County

I, _____, a Notary Public for said County and State,
do hereby certify that **Chris Eaton** personally appeared before me this day and acknowledged
the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____,
20____.

(Official Seal)

Notary Public

My commission expires _____.

STATE OF NORTH CAROLINA
Wake County

I, Carlton J. Womble, a Notary Public for said County and State,
do hereby certify that **Gregory S. Patterson** personally appeared before me this day and
acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 16th day of April,
2007.

(Official Seal)

Carlton J. Womble
Notary Public

My commission expires October 21, 2008