

PATENT ASSIGNMENT

Electronic Version v07

Stylesheet Version v02

SUBMISSION TYPE:

NEW ASSIGNMENT

APPLICATION NUMBER

10/708410

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name	Execution Date
Peter J. Kennedy	2003-12-30
Laurie A. Gray	2003-12-04
Charles Hunt	2003-12-03
Elisabeth Gibbons	2004-02-04
David Desmond Middleton	2003-12-19
Stacy Neil Smith	2003-12-18
Amy Swanson	2003-12-06
David C. Bates	2003-12-10
James Cunningham	2004-02-24

RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
Sony Ericsson Mobile Communications AB	Nya Vattentornet		Lund	SWEDEN	S-221 88

CORRESPONDENCE DATA

FAX NUMBER: 919-286-8199

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 024239

NAME OF PERSON SIGNING:

Steven B. Phillips

DATE SIGNED:

2004-02-20

Total Attachments: 18

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source=A2Bates.tif

source=A1Gray.tif

source=A2Gray.tif

source=A1Hunt.tif

source=A2Hunt.tif

source=A1Kennedy.tif

PATENT

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REEL: 014378 FRAME: 0076

CH \$40.00 134365 10708410

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source=A1Middleton.tif
source=A2Middleton.tif
source=A1Smith.tif
source=A2Smith.tif
source=A1Swanson.tif
source=A2Swanson.tif
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source=A2Gibbons.tif
source=A1Cunningham.tif
source=A2Cunningham.tif

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentorget, S-221 88 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal

representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

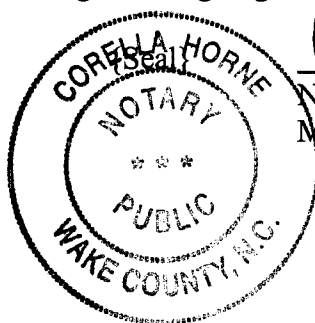
IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) David C. Bates
David C. Bates

12/11/03
Date

State of North Carolina
County of Wake

On this 11 day of December, 2003, before me personally appeared David C. Bates, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.



Corella Horne
Notary Public
My Commission Expires: My Commission Expires 3-6-2007.

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentorget, S-221 88 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

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And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal

representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) Laurie A. Gray Date 12.4.03
Laurie A. Gray

State of North Carolina)
County of Wake)

On this 4th day of Dec., 20003, before me personally appeared Laurie A. Gray, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal}

Nelson M. Super
Notary Public

My Commission Expires: 7-15-07

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

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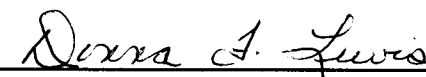
IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) 
Charles Hunt

Date 12-03-03

State of NORTH CAROLINA)
County of WAKE)

On this 3rd day of December, 2003, before me personally appeared Charles Hunt, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal} 
Notary Public
My Commission Expires: 1-19-2008



ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

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IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) Peter J. Kennedy
Peter J. Kennedy

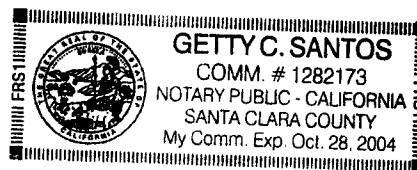
12/30/03
Date

State of California
County of Santa Clara

On this 30 day of December, 2003, before me personally appeared Peter J. Kennedy, ~~to me personally known, and~~ known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(~~their~~) free act and deed.

{Seal}

Getty C. Santos
Notary Public
My Commission Expires: 10/28/04



ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

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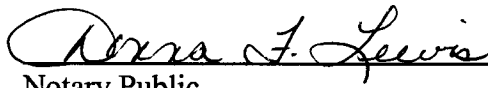
(L.S.) 
David Desmond Middleton

12/19/2003
Date

State of NORTH CAROLINA)
 County of WAKE)

On this 19th day of December, 2003, before me personally appeared David Desmond Middleton, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal}


 Notary Public
 My Commission Expires: 1-19-2008

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

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IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) Stacy Neil Smith
Stacy Smith

12/18/03
Date

Witnessed by: [Signature]
Name CAROL SMITH.

Signature _____
12/18/03
Dated

Witnessed by: Mark Corbidge
Name

[Signature]
Signature
12/18/03
Dated

ASSIGNMENT

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(L.S.) Amy Swanson
Amy Swanson

12-7-03
Date

State of North Carolina
County of Wake

On this 7th day of Dec., 2003, before me personally appeared Amy Swanson, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

{Seal}

Helen M. Suiter
Notary Public
My Commission Expires: 7-15-07

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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal

representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

(L.S.) Elisabeth H. Gibbons
Elisabeth H. Gibbons

04 Dec 03
Date

State of North Carolina)
County of Wake)

On this 4th day of Dec., 2003, before me personally appeared Elisabeth H. Gibbons, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.



Karita S. Robins
Notary Public
My Commission Expires: 10-5-2008

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor", has invented a new and useful invention entitled:

MOBILE TERMINAL WITH ERGONOMIC IMAGING FUNCTIONS

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith.

WHEREAS, SONY ERICSSON MOBILE COMMUNICATIONS AB, a foreign corporation having a principal office and place of business at, Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.


FURTHER, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal

representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the undersigned has(have) hereunto set his(their) hand(s) and seal(s) on the date after his(their) signature(s).

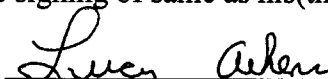
(L.S.) 
James Cunningham

2-24-04
Date

State of NC
County of Wake

On this 24 day of Feb, 2004, before me personally appeared Elisabeth H. Gibbons, to me personally known, and known to me to be the person(s) who signed the foregoing assignment, and acknowledged the signing of same as his(their) free act and deed.

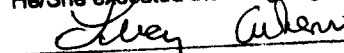
{Seal}


Notary Public My Commission Expires 8-28-2006.
My Commission Expires: _____

County of Wake
State of North Carolina

On this 24 day of Feb, 2004

James Cunningham
Personally appeared before me and acknowledge that
He/She executed the foregoing instrument.

 Notary Public
My Commission Expires 8-28-2006