

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                         |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
|---|--|---------------|--|---------------------------|------------------|------------|------------|----------------|------------|---------------------|------------|-----------------|------------|-------------------------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| CONVEYING PARTY DATA  |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jacobus Cornelis Haartsen</td><td>09/09/2008</td></tr><tr><td>Sten Minor</td><td>09/08/2008</td></tr><tr><td>Bengt Stavenow</td><td>09/09/2008</td></tr><tr><td>William O. Camp Jr.</td><td>08/28/2008</td></tr><tr><td>Ronald A. Louks</td><td>09/03/2008</td></tr><tr><td>Bjorn Martin Gunnar Lindquist</td><td>09/08/2008</td></tr></tbody></table> |  | Name          | Execution Date                         | Jacobus Cornelis Haartsen | 09/09/2008       | Sten Minor | 09/08/2008 | Bengt Stavenow | 09/09/2008 | William O. Camp Jr. | 08/28/2008 | Ronald A. Louks | 09/03/2008 | Bjorn Martin Gunnar Lindquist | 09/08/2008 |
| Name  | Execution Date                         |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Jacobus Cornelis Haartsen   | 09/09/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Sten Minor  | 09/08/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Bengt Stavenow  | 09/09/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| William O. Camp Jr.   | 08/28/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Ronald A. Louks   | 09/03/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Bjorn Martin Gunnar Lindquist   | 09/08/2008                             |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| RECEIVING PARTY DATA  |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| <table border="1"><tr><td>Name:</td><td>Sony Ericsson Mobile Communications AB</td></tr><tr><td>Street Address:</td><td>Nya Vattentorget</td></tr><tr><td>City:</td><td>Lund</td></tr><tr><td>State/Country:</td><td>SWEDEN</td></tr><tr><td>Postal Code:</td><td>S-221 88</td></tr></table>  |  | Name:         | Sony Ericsson Mobile Communications AB | Street Address:           | Nya Vattentorget | City:      | Lund       | State/Country: | SWEDEN     | Postal Code:        | S-221 88   |                 |            |                               |            |
| Name:   | Sony Ericsson Mobile Communications AB |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Street Address:   | Nya Vattentorget                       |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| City:   | Lund                                   |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| State/Country:  | SWEDEN                                 |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Postal Code:  | S-221 88                               |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| PROPERTY NUMBERS Total: 1   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12209300</td></tr></tbody></table>  |  | Property Type | Number                                 | Application Number:       | 12209300         |            |            |                |            |                     |            |                 |            |                               |            |
| Property Type   | Number                                 |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Application Number:   | 12209300                               |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| CORRESPONDENCE DATA   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Fax Number: (919)854-2084<br><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Phone: 919-854-1844   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Email: kkoppen@coatsandbennett.com  |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Correspondent Name: COATS & BENNETT/SONY ERICSSON   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Address Line 1: 1400 CRESCENT GREEN   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Address Line 2: SUITE 300   |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| Address Line 4: CARY, NORTH CAROLINA 27518  |  |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |
| ATTORNEY DOCKET NUMBER:   | 2002-962                               |               |  |                           |                  |            |            |                |            |                     |            |                 |            |                               |            |

OP \$40.00 12209300

500645681

PATENT  
REEL: 021520 FRAME: 0487

NAME OF SUBMITTER:

David E. Bennett

Total Attachments: 6

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## **ASSIGNMENT**

For good and valuable consideration,

Jacobus Cornelis Haartsen, a citizen of the Netherlands, residing at  
Bruchterweg 81  
7772 BG Hardenberg  
The Netherlands

Sten Minör, a citizen of Sweden, residing at  
Vallmovägen 12  
SE-22738 Lund  
Sweden

Bengt Stavenow, a citizen of Sweden, residing at  
Borgåslingan 4  
224 72 Lund  
Sweden

William O. Camp, Jr., a citizen of the United States, residing at  
400 North Boundary Street  
Chapel Hill, NC 27514

Ronald A. Louks, a citizen of Canada, residing at  
2020 Hillandale Rd.  
Durham, NC 27705

Björn Martin Gunnar Lindquist, a citizen of Sweden, residing at  
S. Västkustv. 105  
237 36 Bjärred  
Sweden

hereby assign(s) to Sony Ericsson Mobile Communications AB, having its principal place of business at  
Nya Vattentorget  
S-221 88 Lund  
Sweden

the entire right, title, and interest in and to the **ADAPTIVE DISPLAY FOR ENHANCING AUDIO PLAYBACK** which is disclosed in U. S. Patent Application Serial Number 12/209300 filed on Sept. 12, 2008 and for any and all patents granted therefore, in any and all countries, including continuations, continuations-in-part, divisionals, reissues and extensions thereof, and all rights of priority resulting from the filing of said U.S. application to be held and enjoyed by **Sony Ericsson Mobile Communications AB**, its successors, and assigns, as fully and entirely as the same would have been held and enjoyed by **Jacobus Cornelis Haartsen, Sten Minör, Bengt Stavenow, William O. Camp, Jr., Ronald A. Louks and Björn Martin Gunnar Lindquist** had this assignment not been made.

I hereby authorize and request my representative Coats and Bennett, PLLC, 1400 Crescent Green, Suite 300, Cary, North Carolina, 27518 to insert the filing date and application serial number in the above indicated spaces when known.

2008-09-09  
Date

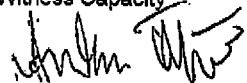
  
Jacobus Cornelis Haartsen

                      
Date

Maria Lindell  
Witness for Jacobus Cornelis Haartsen


co-worker  
Witness Capacity

2008-09-09  
Date


  
Witness for Jacobus Cornelis Haartsen

co-worker  
Witness Capacity

2008-09-08  
Date

  
Sten Minör

2008-09-08  
Date

  
Witness for Sten Minör

co-worker  
Witness Capacity

2008-09-08  
Date

  
Witness for Sten Minör

co-worker  
Witness Capacity

2008-09-09

Date



Bengt Stavenow



Witness for Bengt Stavenow

co-worker

Witness Capacity

2008-09-09

Date



Witness for Bengt Stavenow

co-worker

Witness Capacity

Date

William O. Camp, Jr.

STATE OF \_\_\_\_\_

\_\_\_\_\_ County

I, \_\_\_\_\_ a Notary Public for said County and State, do hereby certify that William O. Camp, Jr. 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 \_\_\_\_\_.

Date

Bengt Stavenow

Date

Witness for Bengt Stavenow

Witness Capacity

Date

Witness for Bengt Stavenow

Witness Capacity

28 August 2008

Date

William O. Camp, Jr.

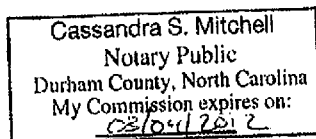
STATE OF NC

WAKE County

I, Cassandra S. Mitchell a Notary Public for said County and State, do hereby certify that William O. Camp, Jr. personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 28 day of August, 2008

(Official Seal)



Notary Public

My commission expires 03/04, 2012.

03 Sept. 08  
Date

REL  
Ronald A. Louks

STATE OF NC  
WAKE County

I, Cassandra S. Mitchell a Notary Public for said County and State, do hereby certify that Ronald A. Louks personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 3 day of September, 2008

(Official Seal)

|   |
|---|
| Cassandra S. Mitchell<br>Notary Public<br>Durham County, North Carolina<br>My Commission expires on:<br><u>03/04/2012</u> |
|---|

C. S. Mitchell  
Notary Public

My commission expires 03/04, 2012.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Björn Martin Gunnar Lindquist

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness for Björn Martin Gunnar Lindquist

\_\_\_\_\_  
Witness Capacity

\_\_\_\_\_  
Date

\_\_\_\_\_  
Witness for Björn Martin Gunnar Lindquist

\_\_\_\_\_  
Witness Capacity

Date \_\_\_\_\_ Ronald A. Louks \_\_\_\_\_

STATE OF \_\_\_\_\_

\_\_\_\_\_ County

I, \_\_\_\_\_ a Notary Public for said County and State, do hereby certify that Ronald A. Louks 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 \_\_\_\_\_.

2008-09-08  
Date


  
Björn Martin Gunnar Lindquist

2008-09-08  
Date

  
Witness for Björn Martin Gunnar Lindquist

Co-worker  
Witness Capacity

2008-09-08  
Date

  
Witness for Björn Martin Gunnar Lindquist

Co-worker  
Witness Capacity