## ASSIGNMENT RECORDATION FORM COVER SHEET Patents Only

To: Commissioner for Patents:	Date: November 22, 2005
Please record the attached original documents or copy thereof.	Attorney Docket No. 9314-132
Name of conveying party(ies):	2. Name and address of receiving party(ies):
[1] William O. Camp, Jr.	Sony Ericsson Mobile Communications AB Nya Vattentornet, S-221 88 Lund, Sweden
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of conveyance:	
X_Assignment	
Merger Security Agreement Change of Name Other Execution Date: [1] October 7, 2005	Additional name(s) & address(es) attached? Yes X_No
4. Application Serial No. 11/247,771, Filed October 11, 2005	
If this document is being filed together with a new application, the execution date of the application is:  Additional numbers attached? Yes _X_ No	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed:  Robert W. Glatz  Myers Bigel Sibley & Sajovec  P. O. Box 37428	7. Total fee (37 CFR 3.41) \$\frac{\$\text{\$\$40.00}}{\text{\$\$Enclosed}}\$  Authorized to be charged to deposit account
Raleigh NC 27627	8. Deposit account number: 50-0220
DO NOT USE THIS SPACE	
9. Statement and signature  To the best of my knowledge and belief, the foregoing information is the and correct and any attached copy is a true copy of the original document.  Robert W. Glatz, #36,811  Name of Person Signing  Total number of pages including cover sheet, attachments and document:	
CERTIFICATION OF FACSIMILE TRANSMISSION  UNDER 37 CFR § 1.8  I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and  Trademark Office via facsimile number 571-273-0140 on November 22, 2005.  Evelyn Casey	

**PATENT REEL: 017050 FRAME: 0599** 

Attorney Docket No.: 9314-132

## ASSIGNMENT

THIS ASSIGNMENT, made by me, William O. Camp, Jr., citizen of the United States of America, residing at 400 North Boundary Street, Chapel Hill, North Carolina 27514; WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in MEMORY SYSTEMS WITH COLUMN READ TO AN ARITHMETIC OPERATION CIRCUIT, PATTERN DETECTOR CIRCUITS AND METHODS AND COMPUTER PROGRAM PRODUCTS FOR THE SAME for which an application for United States Letters Patent has been executed by me concurrently herewith, and

WHEREAS, Sony Ericsson Mobile Communications AB, a corporation organized under the laws of Sweden, having a principal place of business at Nya Vattentornet, S-221 88 Lund, Sweden, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefore in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

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I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignce, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day of OCTOBER William O. Camb. Jr. (SEAL) COUNTY OF WAKE

Before me personally appeared William O. Camp, Jr. who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 774 day of Carober, 2005.

My Commission Expires: May 22, 2006

**RECORDED: 11/22/2005** 

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