PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| Nils Peter Ostrup | 10/24/2008 |
| Stefan Johansson | 11/04/2008 |
| Walter Muller | 12/15/2008 |
| Kjell Anders Westroos | 11/04/2008 |
| Fredrik Hillstrom | 11/19/2008 |

RECEIVING PARTY DATA

| Name: | Telefonaktiebolaget LM Ericsson (publ) |
|-----------------|----------------------------------------|
| Street Address: | SE-164 83 |
| City: | Stockholm |
| State/Country: | SWEDEN |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13121676 |

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 9900-26518US1

NAME OF SUBMITTER: Susan E. Freedman

Total Attachments: 7

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PATENT REEL: 026044 FRAME: 0891 H \$40.00 131216

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PATENT REEL: 026044 FRAME: 0892

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ASSIGNMENT

THIS ASSIGNMENT, by Nils PETER Östrup Stefan Johansson Walter Müller Kjell ANDERS Westroos Fredrik Hillström

(hereinafter referred to as "the Assignor(s)") residing at Tinnerbäcksgränd 51 ,SE-587 50 LINKÖPING ,Sweden Åbylundsgatan 62 ,582 36 LINKÖPING ,Sweden Huginvägen 7 ,SE-194 62 UPPLANDS VÄSBY ,Sweden Klinkendalsvägen 13 ,590 45 BROKIND ,Sweden Koboltstigen 23 ,587 29 Linköping ,

respectively, witnesseth:

WHEREAS, the Assignor(s) have invented certain new and useful improvements in

TELECOMMUNICATIONS SYSTEM AND METHOD

said invention being based on PCT application no.PCT/SE2008/051148 filed on 2008-10-08 (I hereby authorize and request ASSIGNEE's Attorneys to insert the serial number and filing date of said application, when known.)

WHEREAS, Telefonaktiebolaget LM Ericsson (publ), a corporation duly organized under and pursuant to the laws of Sweden and having its principal place of business at S-164 83 STOCKHOLM SWEDEN, (hereinafter referred to as "the Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor(s) have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents of the United States of America that may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, and reissues and extensions of said Letters Patent or Patents, the same to be held and enjoyed by the Assignee, for its use and behoof and the use and the behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent and Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this sale and assignment not been made;

AND for the same consideration, the Assignor(s) hereby convenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery these presents, the Assignor(s) are the sole and lawful owners of the entire right, title, and interest in and to the inventions and application for Letters

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ASSIGNMENT

Patent above-mentioned, and that the same are uncumbered, and that the Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor(s) hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignor(s) will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor(s) hereby request that said Letters Patent or Patent be issued to Assignee as the Assignee of said inventions, the Letters Patent or Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

| Date | ASSIGNMENT | Nils PETER Östrup |
|-----------------|------------------------------|--------------------------------------------------------------------------------|
| Date 2008-10-24 | .Witnessed by Name: Address: | Linda Franzín Linda Franzín Álvolansvägen 2 59074 Ljungsbrð SWEDEN |
| Date 2008-10-24 | .Witnessed by Name: Address: | Dan Wigblad Nygatan 48B 582 27 Linköping SWEDEN |

ASSIGNMENT

Date 2008 - 1/-04 Signature of Assignor Stefan Johansson

Date 2008 - 1/-04 Witnessed by Fred Hultin

Name: Rydrugen 214 B

S84 32 Linke ping

Date 2008 - 1HO V

Name: Tobias Avistrom

Molor Psvagen 5

S90 7 3 Ljungs byo

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| Date 15/2 2008 | Signature of Ass | signor Walter Müller Walter Müller |
|----------------|------------------|------------------------------------|
| 15/12 2008 | Witnessed by | Somes Wwind |
| | Name: | / Jonas Widrel |
| | Address: | Bosvegen 7 |
| | Address. | 19255 Sollentung |
| | | Sweden |
| 15/12 2008 | | |
| Date | Witnessed by | |
| | Name: | 17AN SODERKUIST |
| | Address: | 6 STERANGS V 7 |
| | | 182 46 ENERYBERG |
| | | STUEDEN |

| Date 081104 | ASSIGNMENTSignature of Assignor | Kjell ANDERS Westroos |
|------------------------|-----------------------------------|---------------------------------------------------|
| Date. 081104 | Witnessed by Name: Address: | Daniel Lyssen Teyshiftesg 169 58334 Linkaping |
| Date2 <u>008-11-09</u> | Witnessed by Name: Address: | Fredrik Haltin Rydsvigen 714 B 584 32 Linkiping |

ASSIGNMENT

| Date 2008-11-19 | Signature of Assigno | Fredrik Hillström |
|-----------------------|-----------------------------------|----------------------------------------------------------------|
| Date2008-11-19 | Witnessed by Name: Address: | Heinz Erilesson Galstad - Lundby Seogsbychn 590 48 Villingstad |
| Date. 2.009 ~ (1 - (9 | Witnessed by Name: Address: | Kain Hung To Sundyntan 28 662 21 Noor lisping |

RECORDED: 03/29/2011