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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Johan BOLIN Rune JOHANSSON Ari KANGAS Additional name/s of conveying party/ies attached? <input type="checkbox"/> 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: October 8, 2004; October 18, 2004; October 8, 2004		2. Name and address of receiving party(ies): Name: <u>Telefonaktiebolaget LM Ericsson (publ)</u> Internal Address: Street Address: City: <u>Stockholm</u> State/Country: <u>Sweden</u> Zip: <u>S-126 25</u> Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No(s). (1) 10/953,502 (2) (3) B. Patent No(s). (1) (2) (3) Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>John R. Lastova</u> Internal Address: _____ Street Address: <u>Nixon & Vanderhye P.C.</u> <u>1100 North Glebe Road</u> <u>8th Floor</u> City: <u>Arlington</u> State: <u>VA</u> Zip: <u>22201</u>	6. Total number of applications & patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) (8021) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.			
DO NOT USE THIS SPACE				
9. Statements 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. <table border="0" style="width: 100%;"><tr><td style="width: 30%; text-align: center;"><u>John R. Lastova</u> Name of Person Signing Reg. No. 33,149</td><td style="width: 30%; text-align: center;"> Signature</td><td style="width: 40%; text-align: center;"><u>January 14, 2005</u> Date</td></tr></table> Total number of pages including original cover sheet, attachments, and document: [3]		<u>John R. Lastova</u> Name of Person Signing Reg. No. 33,149	 Signature	<u>January 14, 2005</u> Date
<u>John R. Lastova</u> Name of Person Signing Reg. No. 33,149	 Signature	<u>January 14, 2005</u> Date		

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PATENT
REEL: 016160 FRAME: 0677
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ASSIGNMENT

WHEREAS, **Johan BOLIN, Rune JOHANSSON and Ari KANGAS**, (hereinafter ASSIGNORS) of **Uppsala, Sweden, Upplands Väsby, Sweden and Lidingö Sweden**, have invented a certain improvement in **POSITION DETERMINATION FOR MOBILE STATIONS** for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on **September 30, 2004**;

WHEREAS, **Telefonaktiebolaget LM Ericsson (publ)** (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at S-126 25, Stockholm, Sweden, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the ASSIGNOR by these presents hereby sells, assigns, and transfers unto the ASSIGNEE, its successors, assigns, and legal representatives, the aforesaid application(s) and the full and exclusive right to the invention and improvements therein in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any Letters Patent or Patents claiming priority from the aforesaid application to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to assist in the preparation of and hereby assigns a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any non-provisional, continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application or otherwise growing out of or related to the invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives necessary to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR specifically agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

886455

AGREED and executed as noted below:

2004-10-08

Date

Witnessed by:

Ulrika Bolin

Name: Ulrika Bolin

2004-10-18

Date

Witnessed by:

Leif-Olof Fager

Name: Leif-Olof Fager

Date

Witnessed by:

Johan Sköld

Name: Johan Sköld

Johan Bolin

Johan BOLIN

2004-10-08

Date:

Rune Johansson

Rune JOHANSSON

2004-10-18

Date:

Ari Kangas

Ari KANGAS

2004-10-08

Date: