

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Giulio Bottari</td> <td>05/04/2010</td> </tr> <tr> <td>Piero Castoldi</td> <td>05/03/2010</td> </tr> <tr> <td>Filippo Cugini</td> <td>05/03/2010</td> </tr> <tr> <td>Paola Iovanna</td> <td>05/04/2010</td> </tr> <tr> <td>Francesco Paolucci</td> <td>05/03/2010</td> </tr> <tr> <td>Annikki Welin</td> <td>05/04/2010</td> </tr> </tbody> </table>		Name	Execution Date	Giulio Bottari	05/04/2010	Piero Castoldi	05/03/2010	Filippo Cugini	05/03/2010	Paola Iovanna	05/04/2010	Francesco Paolucci	05/03/2010	Annikki Welin	05/04/2010
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<b>RECEIVING PARTY DATA</b>															
<table border="1"> <tr> <td>Name:</td> <td>Telefonaktiebolaget LM Ericsson (publ)</td> </tr> <tr> <td>Street Address:</td> <td>SE 164 83</td> </tr> <tr> <td>City:</td> <td>Stockholm</td> </tr> <tr> <td>State/Country:</td> <td>SWEDEN</td> </tr> <tr> <td>Postal Code:</td> <td>SE-164 83</td> </tr> </table>		Name:	Telefonaktiebolaget LM Ericsson (publ)	Street Address:	SE 164 83	City:	Stockholm	State/Country:	SWEDEN	Postal Code:	SE-164 83				
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<b>CORRESPONDENCE DATA</b>															
Fax Number:	(972)583-7864														
Phone:	972-583-4795														
Email:	kara.coffman@ericsson.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Steven W. Smith														
Address Line 1:	6300 Legacy Drive														
Address Line 2:	MS EVR 1C11														
Address Line 4:	Plano, TEXAS 75024														
ATTORNEY DOCKET NUMBER:	P29519-US2														

CH \$40.00 13394220

NAME OF SUBMITTER:

Steve Smith

Total Attachments: 9

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## ASSIGNMENT

This Assignment is made by:

**BOTTARI, Giulio**

**Via Dei Carabinieri 8  
57123 Livorno  
Italy**

**CASTOLDI, Piero**

**Strada Eia 25/1  
43100 Parma  
Italy**

**CUGINI, Filippo**

**Via Tagliamento 11  
43036 Fidenza (PR)  
Italy**

**IOVANNA, Paola**

**Via Ferri 3  
00046 Roma  
Italy**

**PAOLUCCI, Francesco**

**Via Putignano 109  
56121 Pisa (PI)  
Italy**

**WELIN, Annikki**

**Wiboms Väg 10  
171 60 Solna  
Sweden**

(hereinafter referred to as "Assignor(s)") in favor, and for the benefit and behoof of, Telefonaktiebolaget L M 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 "Assignee").

For good, sufficient and adequate consideration, the receipt of which is hereby acknowledged, the Assignor(s) have, as of the Effective Date, sold, assigned, transferred, and set over, and by these presents, and to the extent any transferable or assignable rights still remain with the inventor, do hereby 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 following inventions, application(s) for Letters Patent, and any and all Letters Patent or Patents in all countries and pursuant to all multilateral treaty organizations, including Sweden, the United States of America, the Patent Cooperation Treaty and European Patent Convention, that may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application(s), 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:

## ASSIGNMENT

### Method and apparatus for path computation element and routing controller cooperation

including, but not limited to, the application(s) for Letters Patent filed in:

Country Code	Priority Application(s)	Filing Date(s)
WO	PCT/SE2010/050901	2010-08-23
US	61241537	2009-09-11
US	13394220	2012-03-05

The Effective date is the earliest date of the above listed Filing Date(s).

Assignor(s) hereby authorize and request Assignee's Attorneys to insert the serial number and filing date of said application(s) for Letter Patent, when known. The assignment of the above mentioned rights includes a transfer of the right to use a convention priority of the above mentioned application(s) for Letter Patent in all countries and multilateral treaty organizations. 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. Assignee alone hereinafter has the entire disposal of the invention and possesses entire ownership to any domestic and foreign patents granted thereafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to said Letters Patent or Patent.

To the extent Assignee is entitled to receive the rights hereunder pursuant to this Assignment, each of the Assignor(s) hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of the Effective Date, the Assignor(s) were the sole and lawful owners of the entire right, title, and interest in and to the inventions and application(s) for Letters Patent above-mentioned, and that the same are unencumbered, 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.

Further, and for the same consideration, the Assignor(s) hereby covenant(s) and agree(s) 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(s) for Letters Patent, or any proceeding in connection with Letters Patent for said inventions, in any country and any multilateral treaty organization, including interference proceedings, is lawful and desirable, or that any division, continuation, continuation-in-part of any application(s) 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. If any of the Assignor(s) is prevented by any obstacles from signing said documents in person, this Assignment shall be valid as a Power of Attorney for the Assignee to sign these documents on behalf of any such Assignor(s) or, in the event of the death of the latter, the estate thereof.

## ASSIGNMENT

P29519 WO1

This Assignment shall be governed by and construed under, and any dispute, controversy or claim related hereto shall be decided in accordance with, the laws of:  
**Sweden**

without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach or termination, as well as non-contractual claims, shall be referred to and finally determined by arbitration in accordance with the WIPO Arbitration Rules. The arbitral tribunal shall consist of a sole arbitrator. The place of arbitration shall be in the country of the inventor's residence. The language to be used in the arbitral proceedings shall be English.

No modifications shall be made to this Assignment unless in writing and signed by each of the Assignor(s) and Assignee. If any of the provisions of this Assignment shall be deemed invalid or unenforceable, then the entire Assignment shall be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of Assignee and Assignor(s) shall be construed and enforced accordingly. Assignee's failure to exercise any option made available as a result hereof, shall not be construed as a waiver of such provisions, rights, or options, or affect the validity of this Assignment. Assignor covenants and agrees that it will not take any actions in violation of this Assignment.

ASSIGNMENT

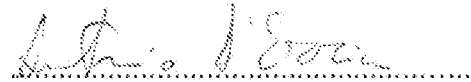
Date 2010-05-04

Signature of Assignor

  
.....  
BOTTARI, Giulio

Date 2010-05-04

Witnessed by

  
.....

Name:

Antonio D'Errico

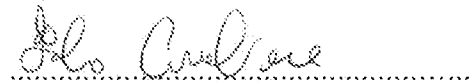
Address:

Via Bruno Buozzi 68/B

56011 - Calci Pisa

Date 2010-05-04

Witnessed by

  
.....

Name:

Fabio Cavaliere

Address:

Via Moruzzi 1

56124 -Pisa

ASSIGNMENT

Date.....03/05/2010..... Signature Assignor of Piero Castoldi  
CASTOLDI, Piero

Date.....03/05/2010..... Witnessed by [Signature]

Name: .....Paolo Ghelfi.....  
Address: .....via Foscolo 10.....  
.....Goito 46044 (Mn).....

Date.....03/05/2010..... Witnessed by Mirco Scaffardi

Name: .....Mirco Scaffardi.....  
Address: .....via Soncini Pancrazio 46.....  
.....Parma 43100.....

ASSIGNMENT

Date.....03/05/2010.....

Signature Assignor

of

CUGINI, Filippo

Date.....03/05/2010.....

Witnessed by

Name:

.....Paolo Ghelfi.....

Address:

.....via Foscolo 10.....

.....Goito 46044 (Mn).....

Date.....03/05/2010.....

Witnessed by

Name:

.....Mirco Scaffardi.....

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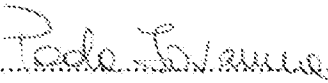
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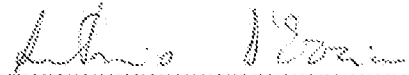
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Signature of Assignor

  
.....  
IOVANNA, Paola

Date 2010-05-04

Witnessed by

  
.....

Name:

Antonio D'Errico

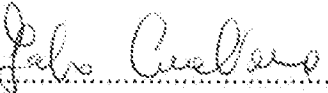
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Witnessed by

  
.....

Name:

Fabio Cavaliere

Address:

Via Moruzzi 1

56124 -Pisa

Date.....03/05/2010.....

Signature Assignor

of

*francesco paolucci*

PAOLUCCI, Francesco

Date.....03/05/2010.....

Witnessed by

*Paolo Ghelfi*

Name:

.....Paolo Ghelfi.....

Address:

.....via Foscolo 10.....

.....Goito 46044 (Mn).....

Date.....03/05/2010.....

Witnessed by

*Mirco Scaffardi*

Name:

.....Mirco Scaffardi.....

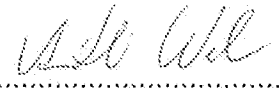
Address:

.....via Soncini Pancrazio 46.

.....Parma 43100.....

Date 4-MAJ-2010

Signature of Assignor

  
.....  
WELIN, Annikki

Date 4-MAJ 2010

Witnessed by

Jonas Rosenburg  
.....

Name:


Jonas Rosenburg  
.....

Address:

Silverdalsv. 11b  
191 38 Sollentuna  
Sweden  
.....

Date 4 MAJ 2010

Witnessed by

  
.....

Name:

VICKNESARI AYADURAI  
.....

Address:

ARKENS GRÄND 23  
192 78 SOLLENTUNA  
SWEDEN  
.....