



05-13-2010



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Our Ref.: HWB-2380-1403

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies): 1 Niclas WIBERG 5 2 Håkan ANDERSSON 6 3 Christian HOYMANN 7 4 8	2. Name and address of receiving party(ies): 1) Name: Telefonaktiebolaget LM Ericsson (publ) Street Address: City: Stockholm State/Country: Sweden Zip: SE-164 83 2) Name Street Address: City: State: Zip: Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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: March 23, 2010, 22 March 2010 and 22 March 2010, respectively	
4. Application number(s) or patent number(s): <input type="checkbox"/> This assignment is being filed together with a new application. A. Patent Application No(s). (1) 12/712,413 (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: H. Warren Burnam, Jr. Internal Address: Street Address: Nixon & Vanderhye P.C. 901 North Glebe Road 11th Floor City: Arlington State: VA Zip: 22203	6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 <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. H. Warren Burnam, Jr. May 10, 2010 Name of Person Signing Signature Date Reg. No. 29,366 Total number of pages including original cover sheet, attachments, and document: [7]	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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PATENT
REEL: 024381 FRAME: 0201

ASSIGNMENT

WHEREAS, Niclas WIBERG, Håkan ANDERSSON and Christian HOYMANN (hereinafter ASSIGNORS) of Sofielundsvägen 8, LINKÖPING, Sweden SE-585 97; Fanjunkaregatan 48, LINKÖPING, Sweden SE-582 16; and Büchel 53, AACHEN, Germany DE-52062, respectively, have invented a certain improvement in **INTRA-SUBFRAME TIME MULTIPLEXING** for which a so-entitled provisional application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on **October 29, 2009** and afforded Serial No. **61/256,017**; and for which a so-entitled non-provisional application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on **February 25, 2010** and afforded Serial No. **12/712,413**;

WHEREAS, **Telefonaktiebolaget LM Ericsson (publ)** (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at Stockholm, Sweden, SE-164 83, 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 ASSIGNORS by these presents hereby sell, assign, and transfer 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;

1605360

ASSIGNORS hereby agree to assist in the preparation of and hereby assign a like interest to said ASSIGNEE, its successors, assigns, and legal representatives, without further remuneration, any non-provisional applications or any continuation, divisional, reissue, or foreign application claiming priority from the aforesaid application, or any other patent application 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.

ASSIGNORS specifically agree, 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.

AGREED and executed as noted below:

2010-03-23

Date

Niclas Wiberg

Niclas WIBERG

Date: 2010-03-23 Witnessed by

Name:

Address:

Gunnar Bark

Gunnar Bark
Mariedalsgatan 104
58665 Linköping, Sweden

Date

Håkan ANDERSSON

Date: _____ Witnessed by

Name:

Address:

Date

Christian HOYMANN

Date: _____ Witnessed by

Name:

Address:

ASSIGNMENT

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AGREED and executed as noted below:

Date

Niclas WIBERG

Date: _____ Witnessed by _____

Name: _____

Address: _____

22 March, 2010

Date

Håkan And

Håkan ANDERSSON

Date: 22 March, 2010 Witnessed by _____

Name: _____

Address: _____

Henric R.

Henric Ericsson, Ingenjörsg. 29
587 37 Linköping, Sweden

Date

Christian HOYMANN

Date: _____ Witnessed by _____

Name: _____

Address: _____

ASSIGNMENT

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AGREED and executed as noted below:

_____	_____
Date	Niclas WIBERG
Date: _____	Witnessed by _____

Name: _____
Address: _____

_____	_____
Date	Håkan ANDERSSON
Date: _____	Witnessed by _____

Name: _____
Address: _____

22/03/2010	_____
Date	Christian HOYMANN

Date: 22.3.10	Witnessed by _____
---------------	--------------------

Name: _____	Tim IRNICH
Address: _____	Hesemannstr. 2
	41460 Neuss
	Germany