

02/25/2011



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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)	2. Name and address of receiving party(ies)		
1 Magnus OLSSON 5			
2 Göran RUNE 6	1) Name: Telefonaktiebolaget LM Ericsson (publ)		
3 Per SYNNERGREN 7	Street Address Torshamnsgatan 23		
4 Erik WESTERBERG 8	City. Stockholm		
F Elik WESTERBERG 8	0(0		
Add to a 1	State/Country Sweden Zip SE-164 83		
Additional name/s of conveying party/ies attached? 3 Nature of conveyance:	2) N		
· —	2) Name		
	Street Address:		
	City:		
Other	State/Country Zip:		
Execution Date: February 22, 2011, January 25, 2011, January 17, 2011 and January 14, 2011, respectively	Additional name/s & address/es attached? Yes No		
4 Application number(s) or patent number(s): Thi	s assignment is being filed together with a new application.		
A. Patent Application No(s)	B Patent No(s).		
(1) 12/943,801	(1)		
(2)	(2)		
(3)	(3)		
Additional numbers at	tached Yes No		
5 Name and address of party to whom correspondence	6. Total number of applications & patents involved 1		
concerning document should be mailed.			
	7 Total fee (37 CFR 3 41) \$ 40 00		
Name H Warren Burnam, Jr.	□ Enclosed □		
	Authorized to be charged to deposit account #14-1140		
Internal Address:			
	8 The Commissioner is hereby authorized to charge any		
Street Address: Nixon & Vanderhye P C.	8 The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which		
Street Address: Nixon & Vanderhye P C. 901 North Glebe Road	deficiency in the fee(s) filed, or asserted to be filed, or which		
	deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter		
901 North Glebe Road 11th Floor	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.		
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901 North Glebe Road 11th Floor City Arlington State VA Zip 22203	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.		
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901 North Glebe Road 11th Floor City Arlington State: VA Zip: 22203 DO NOT USI 9 Statements and signature. To the best of my knowledge and belief, the foregoing informa of the original document H Warren Burnam, Jr Name of Person Signing Reg No 29,366	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. E THIS SPACE tion is true and correct and any attached copy is a true copy February 23, 2011		

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 05 FC:8021 40.00 OP

> **PATENT** REEL: 025846 FRAME: 0374

P30788US2 HWB-2380-1437

ASSIGNMENT

WHEREAS, Magnus OLSSON, Göran RUNE, Per SYNNERGREN and Erik WESTERBERG (hereinafter ASSIGNORS) of Hantverkargatan 85, 1tr, Stockholm, Sweden SE-112 38; Sandgårdsgatan 5A, Linköping, Sweden SE-582 52; Höstvägen 106, Luleå, Sweden SE-976 33; and Hemmansvägen 7, Enskede, Sweden SE-122 38, respectively, have invented a certain improvement in GSM AND LTE MULTIPLEXING for which a soentitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office as a provisional application on December 17, 2009 and afforded Serial No. 61/287,575 and for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office on November 10, 2010 and afforded Serial No. 12/943,801;

WHEREAS, Telefonaktiebolaget LM Ericsson (publ) (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at Torshamnsgatan 23, 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;

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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 2011 - 02 - 22 Date		Magnus OLSSON
Date:	2011-02-22	Witnessed by Name: Address:	SHABNAM SULTANA 449 MOUNT PLEASANT WESTMOUNT, QC, CANAL GÖRARUNE
	Date		Göran RUNE
Date:			
	Date		Per SYNNERGREN
Date:		Witnessed by Name: Address:	

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AGREED and executed	as noted below:	
Date		Magnus OLSSON
Date:	Witnessed by	
	Name:	
January 2	Address: 25 2011	_ Chan Kun
Dale		Goran RUNE
Date: 2011-11-25	Witnessed by	
	Name: Address:	JOKAN MOE LADUSAIR-R JODIA MANIORP
Date		Per SYNNERGREN
Date: 2011-01-05		100
	Name: Address:	Mehd. Amirijus Ulsadesystem 13
		ST's 36 Lahling

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	AGREED and executed a	s noted below:	
	Date		Magnus OLSSON
Date ⁻		_ Witnessed by	The second secon
		Name: Address:	·
	Date		Göran RUNE
Date:		_ Witnessed by	
		Name: Address:	
८०	17-01-17		
Date:	Date 2017-07-17-	_ Witnessed by	Per SYNNERGREN
Daic			Mårten Ericson Regnvagen 55 47632 Luiez
			47632 Luie? Sweden

Jan 14,2011	Euil Werterberg
Date	Brik WESTERBERG
Date: Jan 14, 2011 Witnessed by	Achael Stoff
Name:	Michael Anehill
Address:	Hasselstiaen 4
	Hasselstigen 4 Solna
	SWEDEN

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