

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHAN NYSTROM	11/19/2004
PAL FRENGER	11/19/2004
ERIK DAHLMAN	11/19/2004
SVANTE SIGNELL	04/19/2005
GORAN KLANG	11/22/2004
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
<b>Street Address:</b>	SE-164 82
<b>City:</b>	STOCKHOLM
<b>State/Country:</b>	SWEDEN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16751480
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)661-4552
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	214-953-6500
<b>Email:</b>	PTOmail1@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS L.L.P.
<b>Address Line 1:</b>	2001 ROSS AVENUE, SUITE 900
<b>Address Line 4:</b>	DALLAS, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	017997.2204
<b>NAME OF SUBMITTER:</b>	WENDY FLOTTMAN
<b>SIGNATURE:</b>	/wendy flottman/
<b>DATE SIGNED:</b>	01/24/2020
<b>Total Attachments: 2</b>	
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source=Assignment#page2.tif	

ASSIGNMENT

WHEREAS, **Johan Nyström , Pål Frenger, Erik Dahlman, Svante Signell, Göran Klang** (hereinafter ASSIGNORS) of Kronobergsgatan 22, SE-112 33 Stockholm, Lyckselevägen 33, SE-162 67 Vällingby, Tackjärnsvägen 12, SE-168 68 Bromma, Ängsullsvägen 170, SE-162 46 Vällingby, Bergkantsvägen 12, SE-122 32 Enskede, Sweden, respectively, have invented a certain improvement in **Allocated pilot structure adapted to user need** for which a so-entitled application for Letters Patent of the United States was filed in the United States Patent and Trademark Office as a patent application on

WHEREAS, **TELEFONAKTIEBOLAGET LM ERICSSON** (publ.) (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of business at **SE-164 82 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 ASSIGNORS by these presents hereby sell, assign, and transfer unto the ASSIGNEE, its successors, assigns, and legal representatives, the aforesaid applications) 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 **US attorney firm** have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNORS hereby agree 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.

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:

2004-11-19

Date

Witnessed by:

Name:



Johan Nyström

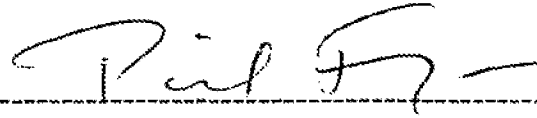
Date:

2004-11-19

Date

Witnessed by:

Name:



Pål Frenger

Date:

2004-11-19

Date

Witnessed by:

Name:



Erik Dahlman

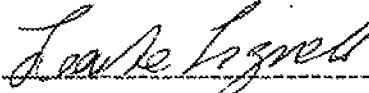
Date:

2005-04-19

Date

Witnessed by:

Name:



Svante Signell

Date:

2004-11-22

Date

Witnessed by:

Name:



Göran Klang

Date: