

## 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>
ST-ERICSSON (GRENOBLE) SAS	11/15/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST-ERICSSON SA
<b>Street Address:</b>	39 CHEMIN DU CHAMP-DES-FILLES
<b>City:</b>	PLAN-LES-OUATES
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-1228
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13265301
<b>Application Number:</b>	13497794
<b>Patent Number:</b>	8704502
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)999-3514
<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>	2149994514
<b>Email:</b>	rmcgee@gardere.com
<b>Correspondent Name:</b>	GARDERE WYNNE SEWELL LLP IP SECTION
<b>Address Line 1:</b>	1601 ELM STREET, SUITE 3000
<b>Address Line 4:</b>	DALLAS, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	135716-0003 (STE-G,1180+)
<b>NAME OF SUBMITTER:</b>	ANDRE M. SZUWALSKI
<b>SIGNATURE:</b>	/Andre M. Szuwalski/
<b>DATE SIGNED:</b>	02/12/2016
<b>Total Attachments: 4</b>	
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# DEED OF ASSIGNMENT

Between the undersigned:

**ST-Ericsson (Grenoble) SAS**, a corporation duly organized under and pursuant to the laws of France and having its registered address at 12 rue Jules Horowitz, F-38000 Grenoble, France,  
(hereinafter referred to as "Assignor(s)").

in favor, and for the benefit and behoof of,

**ST-Ericsson SA**, a corporation duly organized under and pursuant to the laws of Switzerland and having its registered address at Chemin du Champ-des-Filles 39, 1228 Plan-les-Ouates, Switzerland  
(hereinafter referred to as "Assignee").

The Assignor(s) is owner of or owns a share of the invention(s), application(s) for Letters Patent, Letters Patent and Patents cited in the Annex A of the Deed.

For good, sufficient and adequate consideration, the receipt of which is hereby acknowledged, Assignor(s) has sold, assigned, transferred, and set over, and by these presents, does 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 the United States of America, the Patent Cooperation Treaty and European Patent Convention, that may be granted therefore and thereon, and in and to any and all divisions, continuations, continuations-in-part, conversions and utility models of said application(s), and reexaminations, 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, Patents and Utility Models 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:

## LISTED IN ANNEX A

Assignor(s) hereby authorizes and requests Assignee and/or Assignee's Attorneys to insert the serial number and filing date of said application(s) for Letter Patent or Utility Model, when known. The assignment of the above mentioned rights includes a transfer of the whole right to use a priority (including priority according to any convention, multilateral agreement, bilateral agreement and national law) of the above mentioned application(s) for Letter Patent and Utility Model in all countries and multilateral treaty organizations wherein no residual rights shall remain with the Assignor(s). Assignor(s) hereby request that said Letters Patent, Patent, or Utility Model be issued to Assignee as the Assignee of said inventions, the Letters Patent, Patent or Utility Model 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 or utility models granted thereafter. The rights granted hereunder shall include all rights to institute legal actions, obtain remedies, injunctive relief, and recover and retain damages in respect to said Letters Patent, Patent or Utility Model.

The Assignor(s) undertakes to sign all documents necessary for obtaining a patent and, moreover, all such documents, which may be required to assert the rights transferred hereby.

## DEED OF ASSIGNMENT

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:

### Switzerland

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 Geneva, Switzerland. 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 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.

Subsequent assignment from the Assignor(s) to the Assignee purporting to convey the subject matter specified herein for a particular country, patent office, or jurisdiction shall not invalidate any provision of this assignment and any such subsequent assignment shall act as a further confirmation of the assignment herein.

The Assignee declares to accept the ownership of these inventions, patent applications and patents with all their rights and obligations.

## DEED OF ASSIGNMENT

For ST-Ericsson (Grenoble) SAS :

Place and date:

Signature:

Marc CETTO  
President

Witnessed by:

Signature:

Name:

Date:

For ST-Ericsson SA:

Place and date:

Signature:

Peter ERICSSON NESTLER  
Head of Patents

Witnessed by:

Signature:

Name:

Date:

Witnessed by:

Signature:

Name:

Date:

Witnessed by:

Signature:

Name:

Date:

## ANNEX A

CAS00219

ST-Ericsson ref	Country	Applica on number	Publica on number	Grant number	PCT File date	Na onal File Date
C01179-WO1	WO	PCT/IB2009/052794	WO 2010/119308		17-Apr-2009	--
C01179-EP1	EP	09843176.0	EP 2419818		17-Apr-2009	
C01179-IN1	IN	7993/DELNP/2011			17-Apr-2009	
C01179-JP1	JP	2012-505245			17-Apr-2009	
C01179-US1	US	13/264,914	US 2012/0080954		17-Apr-2009	
C01180-FR1	FR	952557	FR 2944662	FR 2944662	--	20-Apr-2009
C01180-WO1	WO	PCT/EP2010/055173	WO 2010/122010		20-Apr-2010	--
C01180-EP1	EP	10715221.7	EP 2422338		20-Apr-2010	
C01180-IN1	IN	8135/DELNP/2011			20-Apr-2010	
C01180-JP1	JP	2012-506463			20-Apr-2010	
C01180-US1	US	13/265,301	US 2012/0147976		20-Apr-2010	
C01227-FR1	FR	954917			--	16-Jul-2009
C01235-FR1	FR	955345			--	30-Jul-2009
C01258-FR1	FR	0904675			--	30-Sep-2009
C01258-WO1	WO	PCT/EP2010/064597	WO 2011/039326		30-Sep-2010	--
C01258-CN1	CN	201080043174.6	CN 102668306		30-Sep-2010	
C01258-EP1	EP	10759685.0	EP 2483989		30-Sep-2010	
C01258-US1	US	13/497,794	US 2012/0235513		30-Sep-2010	
C01283-FR1	FR	0958375			--	25-Nov-2009
C01283-WO1	WO	PCT/EP2010/067940	WO 2011/064169		22-Nov-2010	--
C01283-EP1	EP	10782264.5	EP 2504910		22-Nov-2010	
C01283-KR1	KR	2012-7016396			22-Nov-2010	
C01283-US1	US	13/512,430	US 2012/0235654		22-Nov-2010	