

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	
Norbert Van Den Bos	04/12/2011
Roeland Heijna	04/12/2011
Hendrik Visser	04/12/2011
<b>RECEIVING PARTY DATA</b>	
Name:	ST-Ericsson SA
Street Address:	Chemin du Champ-des-Filles 39
City:	Plan-les-Ouates
State/Country:	SWITZERLAND
Postal Code:	1228
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	13046864
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(919)854-2084
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	919-854-1844
Email:	cfedomock@coatsandbennett.com
Correspondent Name:	COATS & BENNETT, PLLC
Address Line 1:	1400 Crescent Green, Suite 300
Address Line 4:	Cary, NORTH CAROLINA 27518
ATTORNEY DOCKET NUMBER:	6275-046
NAME OF SUBMITTER:	Edward H. Green, III
Total Attachments: 6 source=6275046ASSIGNMENT#page1.tif source=6275046ASSIGNMENT#page2.tif source=6275046ASSIGNMENT#page3.tif source=6275046ASSIGNMENT#page4.tif source=6275046ASSIGNMENT#page5.tif source=6275046ASSIGNMENT#page6.tif	

OP \$40.00 13046864

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
 Van Den Bos, Norbert  
 Heijna, Roeland  
 Visser, Hendrik

Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
 Name: ST-Ericsson SA  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Street Address: Chemin du Champ-des-Filles 39  
 \_\_\_\_\_  
 City: Plan-les-Ouates  
 State: \_\_\_\_\_  
 Country: Switzerland Zip: 1228

Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
 Execution Date(s) April 12, 2011

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s).  
13/046,864

B. Patent No.(s)  
 \_\_\_\_\_

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Edward H. Green, III  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Street Address: 1400 Crescent Green, Ste. 300  
 \_\_\_\_\_  
 City: Cary  
 State: North Carolina Zip: 27518  
 Phone Number: 919-854-1844  
 Fax Number: 919-854-2084  
 Email Address: cfedernock@coatsandbennett.com

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

b. Deposit Account Number 181167  
 Authorized User Name Tami Purdue

**9. Signature:** \_\_\_\_\_ May 18, 2011  
 Signature Date

Name of Person Signing Edward H. Green, III Total number of pages including cover sheet, attachments, and documents: 6

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, V.A. 22313-1450

## ASSIGNMENT

This Assignment is made by:

**VAN DEN BOS, Norbert**

**Homberg 3511**

**6601 XC WJCHEN, The Netherlands**

**HEIJNA, Roeland**

**Levensbroek 3313**

**6546 TL NIJMEGEN, The Netherlands**

**VISSER, Hendrik**

**Aalsburg 3020**

**6602 WP WJCHEN, The Netherlands**

(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").

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 therefore and thereon, and in and to any and all divisions, continuations, continuations-in-part, conversions and utility models 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, 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:

### Switched Current Mirror with Good Matching

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

Country	Application No.	File Date
US	13/046,864	14 Mar 2011

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

Assignor(s) hereby authorize and request 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

### ASSIGNMENT

hereunder shall include all rights to institute legal actions, obtain remedies and recover and retain damages in respect to said Letters Patent, Patent or Utility Model.

The Assignor(s) or Assignee hereby understand and agree that with the execution of this Assignment, to the extent necessary or appropriate, national and/or regional applications may be filed by the Assignee as the applicant and on behalf of the assignor.

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 or Utility Model 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, conversion or Utility Model of any application(s) for Letters Patent or Utility Model, 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 or Utility Model 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.

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**

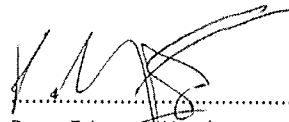
without regard to the conflicts of laws provisions thereof. Any dispute, controversy or claim arising under, out of or relating to this Assignment and any subsequent amendments of this Assignment, including, without limitation, its formation, validity, binding effect, interpretation, performance, breach 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 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.

Subsequent assignment from any of the assignors 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.

Date.....2011-05-01

Signature on behalf of Assignee


  
Peter Ericsson Nestler

# ASSIGNMENT

Title: Switched Current Mirror with Good Matching


Date... April 12, 2011

Signature of Assignor

  
VAN DEN BOS, Norbert

Date... April 12, 2011

Witnessed by



Name:

Björn ten Haaff

Address:

Jonkerbosplein 52  
6534 AB Nijmegen  
Netherlands

Date... April 12, 2011

Witnessed by



Name:

P.W.H. de Vreede

Address:

Jonkerbosplein 52  
6534 AB Nijmegen  
Netherlands

# ASSIGNMENT

Title: Switched Current Mirror with Good Matching

Date...12 APRIL 2011.....

Signature of Assignor

  
.....  
HEIJNA, Roeland

Date...12 April, 2011.....

Witnessed by

  
.....

Name:

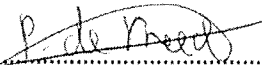
.....Björn ten Haaff.....

Address:

.....Jonkerbosplein 52.....  
.....6534 AB Nijmegen.....  
.....Netherlands.....

Date...12 April, 2011.....

Witnessed by

  
.....

Name:

.....P. W. H. de Vreede.....

Address:

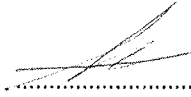
.....Jonkerbosplein 52.....  
.....6534 AB Nijmegen.....  
.....Netherlands.....

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Title: Switched Current Mirror with Good Matching

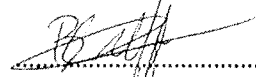
Date: April 11<sup>th</sup>, 2011

Signature of Assignor

  
VISSER, Hendrik

Date: April 12, 2011

Witnessed by



Name:

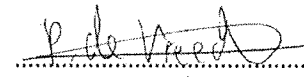
Björn ten Haaff

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Witnessed by



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