

05-06-2008



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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)
 Franck BADETS
 David MARCHALAND

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

2. Name and address of receiving party(ies)
 Name: STMicroelectronics SA
 Internal Address: _____

 Street Address: 29 boulevard Romain Roland

 City: Montrouge
 State: _____
 Country: France Zip: 92120

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) February 15, 2008

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)
12/012,499

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Bryan A. Santarelli
 Internal Address: Graybeal Jackson Haley LLP

 Street Address: 155 - 108th Avenue NE
Suite 350
 City: Bellevue
 State: WA Zip: 98004-5973
 Phone Number: (425) 455-5575
 Fax Number: (425) 455-1040
 Email Address: _____

6. Total number of applications and patents involved: 1

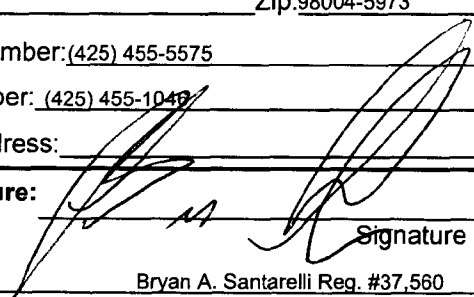
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

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 07-1897
 Authorized User Name _____

9. Signature:  _____
 Signature

Bryan A. Santarelli Reg. #37,560
 Name of Person Signing

April 28, 2008
Date

Total number of pages including cover sheet, attachments, and documents:

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

05/06/2008 08:58:01 00000003 12012499 48.00 05

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of good and valuable consideration the adequacy and receipt of which are hereby acknowledged,

ASSIGNOR Franck BADETS residing or having a principal place of business at 29 rue du Belvedere - 38500 VOIRON - France, and a citizen or juristic entity of France,

ASSIGNOR David MARCHALAND residing or having a principal place of business at ~~3 Avenue Marcellin BERTHELOT - 38100 GRENOBLE - France~~, and a citizen or juristic entity of France, *55 chemin du Bois du Cry*

hereby sells, assigns, and transfers to:

ASSIGNEE STMICROELECTRONICS SA residing or having a principal place of business at 29 boulevard Romain Roland - 92120 MONTROUGE France, and a citizen or juristic entity of France, *74 250 VIUZ - EN - SALLAZ*

and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest in the United States and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled ULTRA WIDE BAND PULSE GENERATOR PROVIDED WITH AN INTEGRATED FUNCTION FOR DIGITAL FILTERING EMULATION, AND TRANSMISSION METHOD and which is found in United States patent application serial number 12/012,499, filed on January 31, 2008 (if not present when this instrument is executed, applicant's attorney or agent is authorized to enter the application serial number and filing date upon receipt of the same from the United States Patent and Trademark Office), and in and to all Letters Patent to be obtained from said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent from any reissue or re-examination thereof

ASSIGNORS hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts, documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to the ASSIGNOR and the ASSIGNOR will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, and enforce said application, said invention, and said Letters Patent and said equivalents

thereof which may be necessary or desirable to carry out the purpose thereof.

ASSIGNORS:

Name: Franck BADETS

Signature: F. Badets

EXECUTED ON, and effective from this 15 day of February, 2008
at Crolles

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be the person named in the assignment, duly sign and execute the same on this 15 day of February, 2008 of his own free will for the purpose therein expressed at the following location: Crolles

WITNESS

Name: Caroline TARANINI

Signature: C. Taranini

ASSIGNOR:

Name: David MARCHALAND

Signature: 

EXECUTED ON, and effective from this 15 day of February, 2008
at Crolles.

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be the person named in the assignment, duly sign and execute the same on this 15 day of February, 2008 of his own free will for the purpose therein expressed at the following location: Crolles

WITNESS

Name: Caroline NARANINI

Signature: 