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1. Name of conveying party(ies)/Execution Date(s):  
Sebastien Dedieu  
Jerome LaJoinie  
Marc Houdebine  
Execution Date(s) 06/04/2007, 06/04/2007, 06/04/2007  
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 Rolland  
92120 Montrouge  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Country: France Zip: \_\_\_\_\_  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
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 Other

4. Application or patent number(s):  This document is being filed together with a new application.  
A. Patent Application No.(s)  
B. Patent No.(s)  
11/891773  
Additional numbers attached?  Yes  No

5. Name and address to whom correspondence concerning document should be mailed:  
Name: Docket Clerk  
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Street Address: P.O. Drawer 800889  
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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 50-0208  
Authorized User Name William A. Munck

9. Signature: William A. Munck Signature Aug 13, 2007 Date  
William A. Munck, Reg. No. 39,308  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: 3

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9/15/2007 WARDLRI 00000010 11891773  
4 FC:8021

**ASSIGNMENT**

WHEREAS, We, Sébastien Dedieu, a resident of La Terrassa, France, and citizen of France, Jerome Lajoinie, a resident of Gieres, France, and citizen of France and Marc Houdebine, a resident of Meylan, France, and citizen of France have invented certain new and useful improvements in "DIGITAL WORD REPRESENTATIVE OF A NON-INTEGER RATIO BETWEEN THE RESPECTIVE PERIODS OF TWO SIGNALS, AND CORRESPONDING DEVICE" disclosed in an application for United States Letters Patent (Application No. \_\_\_\_\_, filed \_\_\_\_\_);

WHEREAS, STMicroelectronics SA, a corporation organized under the laws of the country of France, having a place of business at 29, boulevard Romain Rolland, 92120 Montrouge, France (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;


NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, their successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; we authorize William A. Munck, or Daniel E. Venglarik of Munck Butrus, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, their successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in their own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, their successors, assigns and legal representatives.


We hereby further agree that we will communicate to said ASSIGNEE, or to their successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all

lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, their successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: 06/04/2007

  
\_\_\_\_\_  
Sébastien Dédieu

Date: 06/04/2007

  
\_\_\_\_\_  
Jerome LaJoinie

Date: 06/04/2007

  
\_\_\_\_\_  
Marc Houdebine