| FORM PTO-1595 RE ! 2 - ! ! - (Rev. 6-93) | • 2002 EET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office |
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| | 8: (B) = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = 1 = |
| To the Honorable Commissioner of Pat. 102308 1. Name(s) of conveying party(ies): 1) YANNICK GUEDON 2) PHILIPPE MAIGE | ched original document or copy thereof. 2. Name and address of receiving party: Name: STMICROELECTRONICS S.A. |
| 2) PHILIPPE MAIGE 3) 4) 5) 6) | Internal Address: |
| Additional names of conveying parties attached?Yes _X_No 3. Nature of conveyance:X Assignment Merger Security Agreement Change of Name | Street Address: 29, BOULEVARD ROMAIN ROLLAND |
| Other Other Change of Name Other Execution Dates: 1) OCTOBER 25, 2002 | Postal Code & City: 92120 MONTROUGE Country FRANCE |
| 3) 6) | Additional names & addresses attached?Yes _XNo |
| A. Patent Application No(s). 10/232,954 | the application is B. Patent No(s). |
| Name and address of party to whom correspondence concerning document should be mailed: Name: Seed Intellectual Property Law Group PLLC | 6. Total number of applications and patents involved1 |
| Internal Address: ROBERT IANNUCCI | 7. Total Fee (37 CFR 3.41):\$40 X Enclosed |
| Street Address: 701 Fifth Avenue, Suite 6300 City: Seattle State: WA ZIP: 98104-7092 | Authorized to be charged to deposit account (Attach duplicate copy of this page if paying by deposit account) 8. Deposit account number: |
| 2002 GTDN11 | 19-1090 |
| 9. Statement and signature. | #Information is true and correct and any attached copy is a |
| ROBERT IANNUCCI Name of Person Signing Total number of pages including cover sheet, | |
| OMB No. 0651-0011 (exp 4/94) - Docket No. 852163.403 | D:\NrPortbl\iManage\LAURAT\338726_1.DOC |

REEL: 013554 FRAME: 0038

ASSIGNMENT

WHEREAS, we, Yannick Guedon and Philippe Maige (hereinafter referred to as ASSIGNORS), having mailing addresses of 42 Avenue de Romans, 38360 Sassenage, France, and 47 Avenue Aristide Berges, 38170 Seyssinet-Pariset, France, respectively, are the joint inventors of an invention entitled "SIGMA-DELTA PULSE-WIDTH-MODULATED SIGNAL GENERATOR CIRCUIT," as described and claimed in the specification for which an application for United States letters patent was filed on August 29, 2002 and assigned Application No. 10/232,954. This application claims the benefit of French Application No. 01 11369, filed on September 3, 2001.

WHEREAS, STMicroelectronics S.A. (hereinafter referred to as ASSIGNEE), a corporation of the country of France having a place of business at 29, Boulevard Romain Rolland, 92120 Montrouge, France, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

> PATENT REEL: 013554 FRAME: 0039

| Application No. | 10/ |
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Applicants' counsel is authorized to insert the official filing date and application number information when it becomes available.

Date 10/25/2002

Yanick Guedon

Yannick Guedon

10/25/2002

PHILIPPE MAIGE

Date

Philippe Maige

RECORDED: 12/09/2002