Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| Andreia Cathelin | 11/22/2007 |
| Stephane Razafimandimby | 11/22/2007 |
| Cyrille Tilhac | 11/22/2007 |

RECEIVING PARTY DATA

| Name: | STMicroelectronics SA | |
|-----------------|------------------------------|--|
| Street Address: | 29, Boulevard Romain Rolland | |
| City: | Montrouge | |
| State/Country: | FRANCE | |
| Postal Code: | 92120 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11840137 |

CORRESPONDENCE DATA

(206)682-6031 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

2066224900 Phone:

Email: wendyt@seedip.com Dennis M. de Guzman Correspondent Name: 701 Fifth Avenue Address Line 1:

Address Line 2: Suite 5400

Address Line 4: Seattle, WASHINGTON 98104

| ATTORNEY DOCKET NUMBER: | 852263.434 |
|-------------------------|------------|
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NAME OF SUBMITTER: Dennis M. de Guzman

Total Attachments: 3

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PATENT **REEL: 020276 FRAME: 0128**

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> PATENT REEL: 020276 FRAME: 0129

ASSIGNMENT

WHEREAS, we, Andreia Cathelin, Stephane Razafimandimby and Cyrille Tilhac (hereinafter referred to as ASSIGNORS), having mailing addresses of 23, Le Champ du Pont, Laval, France 38190; 18, Rue du Pocteur Mazet, Grenoble, France 38000; and 6, Rue Saint Ferjus, Grenoble, France 38000, respectively, are the joint inventors of an invention entitled "INTEGRATED ELECTRONIC CIRCUITRY COMPRISING TUNABLE RESONATOR," as described and claimed in the specification for which an application for United States letters patent was filed on August 16, 2007, and assigned Application No. 11/840,137;

WHEREAS, STMicroelectronics SA (hereinafter referred to as ASSIGNEE), a corporation of the country of France having a place of business at 29, Boulevard Romain Rolland, Montrouge, France 92120, 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: 020276 FRAME: 0130

Application No. 11/840,137

| Date | Andreia Cathelin |
|---------------------------|--|
| person who appeared b | nat I know or have satisfactory evidence that Andreia Cathelin is the efore me, and said person acknowledged that he/she signed this dged it to be his/her free and voluntary act for the uses and purposes ent. |
| | Dated 11/22/8007 |
| | Signature of Witness |
| | Printed Name Caroline MANANINI |
| 11/22/2001 | |
| Date | Stephane Razafimandimby |
| I certify th | at I know or have satisfactory evidence that Stephane Razafimandimby |
| | red before me, and said person acknowledged that he/she signed this |
| - | |
| | dged it to be his/her free and voluntary act for the uses and purposes |
| mentioned in the instrume | ent. |

11/22/2007

Printed Name

| 11/22/2007 | Au |
|------------|----------------|
| Date | Cyrille Tithac |

I certify that I know or have satisfactory evidence that Cyrille Tilhac is the person who appeared before me, and said person acknowledged that he/she signed this instrument and acknowledged it to be his/her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated $\frac{11/22/90}{2}$

Printed Name Cocoline HANANINI.

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RECORDED: 12/20/2007