

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|---------------------------|---------------|---------------------------|---------------------|--------------------|--------------|----------------|----------------|-------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Angelo Di Sena</td><td>06/12/2005</td></tr><tr><td>Agata Intini</td><td>04/05/2005</td></tr></tbody></table> | | Name | Execution Date | Angelo Di Sena | 06/12/2005 | Agata Intini | 04/05/2005 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Angelo Di Sena | 06/12/2005 | | | | | | | | | | |
| Agata Intini | 04/05/2005 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>STMicroelectronics S.r.l.</td></tr><tr><td>Street Address:</td><td>Via C. Olivetti, 2</td></tr><tr><td>City:</td><td>Agrate Brianza</td></tr><tr><td>State/Country:</td><td>ITALY</td></tr><tr><td>Postal Code:</td><td>20041</td></tr></table> | | Name: | STMicroelectronics S.r.l. | Street Address: | Via C. Olivetti, 2 | City: | Agrate Brianza | State/Country: | ITALY | Postal Code: | 20041 |
| Name: | STMicroelectronics S.r.l. | | | | | | | | | | |
| Street Address: | Via C. Olivetti, 2 | | | | | | | | | | |
| City: | Agrate Brianza | | | | | | | | | | |
| State/Country: | ITALY | | | | | | | | | | |
| Postal Code: | 20041 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11035013</td></tr></tbody></table> | | Property Type | Number | Application Number: | 11035013 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11035013 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: (206)682-6031 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | |
| Phone: (206)622-4900 | | | | | | | | | | | |
| Email: janisa@seedip.com | | | | | | | | | | | |
| Correspondent Name: Seed IP Law Group PLLC | | | | | | | | | | | |
| Address Line 1: 701 Fifth Avenue | | | | | | | | | | | |
| Address Line 2: Suite 5400 | | | | | | | | | | | |
| Address Line 4: Seattle, WASHINGTON 98104 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 851763.458 | | | | | | | | | | |
| NAME OF SUBMITTER: | Larry M. Kasoff | | | | | | | | | | |
| Total Attachments: 2 source=851763-458_Assignment#page1.tif source=851763-458_Assignment#page2.tif | | | | | | | | | | | |

CH \$40.00 11035013

PATENT

500240306

REEL: 019021 FRAME: 0093

ASSIGNMENT

WHEREAS, we, Angelo Di Sena and Agata Intini (hereinafter referred to as ASSIGNORS), having mailing addresses of Via 9 Maggio, 31, Castello di Cisterna, Italy 80030 and Via Gaetano Donizetti, 4, Putignano, Italy 70017, respectively, are the joint inventors of an invention entitled "OPTIMIZING WRITE/ERASE OPERATIONS IN MEMORY DEVICES," as described and claimed in the specification for which an application for United States letters patent was filed on January 13, 2005 and assigned Application No. 11/035,013;

WHEREAS, STMicroelectronics S.r.l. (hereinafter referred to as ASSIGNEE), a corporation of the Country of Italy having a place of business at Via C. Olivetti, 2, Agrate Brianza, Italy 20041, 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.

12/04/05
Date

Angelo Di Sena
Angelo Di Sena

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

Dated _____

Signature of
Witness _____

Printed Name _____

05/04/05
Date

Agata Intini
Agata Intini

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

Dated _____

Signature of
Witness _____

Printed Name _____

C:\NrPortb\iManage\LAURAT\571301_1.DOC
(851763.458)