

Form PTO-1596 (Rev. 07/05)  
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## RECORDATION FORM COVER SHEET PATENTS ONLY

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)

Tioga Technologies, Inc.

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

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) June 1, 2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: STMicroelectronics N.V.

Internal Address: WTC Schiphol Airport

Street Address: Schiphol Boulevard 265

1118 BH Schiphol Airport

City: Amsterdam

State: \_\_\_\_\_

Country: The Netherlands Zip: \_\_\_\_\_

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

### 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)

SEE ATTACHED EXHIBIT A

SEE ATTACHED EXHIBIT A

Additional numbers attached? ☒ Yes ☐ No

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

Name: Mario J. Donato, Jr.

Internal Address: STMicroelectronics, Inc.

Mail Station 2346

Street Address: 1310 Electronics Drive

City: Carrollton

State: Texas Zip: 75006

Phone Number: 972-466-7503

Fax Number: 972-466-7044

Email Address: mario.donato@st.com

### 6. Total number of applications and patents involved: 22

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ \$880.00

- ☐ 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 19-1353

Authorized User Name Mario J. Donato, Jr.

### 9. Signature:

Mario J. Donato, Jr.  
 Signature

June 11, 2007  
 Date

Mario J. Donato, Jr., Reg. No. 37,816

Name of Person Signing

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

4

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

CH \$880.00 191353 08807336

**EXHIBIT A****TIOGA TECHNOLOGIES, INC.****ISSUED PATENTS AND PENDING PATENT APPLICATIONS**

<b>ST Ref. No.</b>	<b>Serial No.</b>	<b>Filing Date</b>	<b>Patent No.</b>	<b>Issue Date</b>
02-ISL-259	08/807336	02/28/1997	6,047,022	04/04/2000
02-ISL-259CNT	09/500681	02/09/2000	6,285,718	09/04/2001
02-ISL-260	09/476747	12/30/1999	6,411,657	06/25/2002
02-ISL-260PCT	10/169266	12/28/2000	7,200,180	04/03/2007
02-ISL-260CIP	09/637797	08/11/2000	6,879,639	04/12/2005
02-ISL-261	09/476748	12/30/1999	6,683,913	01/27/2004
02-ISL-263	09/521495	03/09/2000	6,751,255	06/15/2004
02-ISL-269	08/818388	03/14/1997	5,838,268	11/17/1998
02-ISL-270	09/248632	02/11/1999	6,587,512	07/01/2003
02-ISL-271	09/248633	02/11/1999	6,452,978	09/17/2002
02-ISL-275CIP	09/915748	07/26/2001	6,987,803	01/17/2006
02-ISL-278	09/451541	12/01/1999	6,741,604	05/25/2004
02-ISL-279	09/699214	10/27/2000	7,050,458	05/23/2006
02-ISL-280	09/521337	03/09/2000	6,778,599	08/17/2004
02-ISL-284	09/668177	09/22/2000	6,788,750	09/07/2004
02-ISL-286	09/754011	01/03/2001	6,795,495	09/21/2004
02-ISL-287	09/801310	03/07/2001	7,023,939	04/04/2006
02-ISL-288	09/825189	04/03/2001	6,940,913	09/06/2005
02-ISL-288CNT	11/190770	07/27/2005		
02-ISL-294	10/024048	12/14/2001		
02-ISL-297	08/932927	09/18/1997	6,081,502	06/27/2000
02-ISL-394	10/067098	02/04/2002	7,203,206	04/10/2007

**PATENT****REEL: 019421 FRAME: 0754**

**ASSIGNMENT**

WHEREAS, I, A. McK. Malone, am the Vice President, Finance & CFO of STMICROELECTRONICS, INC., a subsidiary of STMICROELECTRONICS N.V. that is also affiliated with STMICROELECTRONICS LTD., and am therefore appointed and empowered to act as agent and attorney-in-fact for TIOGA TECHNOLOGIES LTD. and TIOGA TECHNOLOGIES, INC. by virtue of the attached "Irrevocable Power-of-Attorney";

WHEREAS, TIOGA TECHNOLOGIES, INC. is the owner of the U.S. patents and U.S. patent applications and the inventions disclosed therein and as set forth on Exhibit A attached hereto (hereinafter referred to as the "Patents").

WHEREAS, STMICROELECTRONICS N.V., a corporation organized under the laws of the country of The Netherlands, having its registered office at WTC Schiphol Airport, Schiphol Boulevard 265, 1118 BH Schiphol Airport, Amsterdam, The Netherlands, acting through its Swiss branch located at 39, Chemin du Champ des Filles, 1228 Plan-les-Onates, Geneva, Switzerland (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to the said Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on behalf of TIOGA TECHNOLOGIES, INC., I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said Patents, and hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents (including reissues and certificates of reexamination) for said Patents, insofar as the interest of TIOGA TECHNOLOGIES, INC. is concerned, to the said ASSIGNEE.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the inventions disclosed in said Patents throughout the world, all convention applications and extensions of said Patents, including the right to file applications and obtain patents, utility models, industrial models and design for said inventions in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries.

Date:

JUNE 1 2007  
A. McK. Malone**PATENT****REEL: 019421 FRAME: 0755**

4.3(6)(4)

**IRREVOCABLE POWER-OF-ATTORNEY**

The undersigned, Tioga Technologies Ltd. and Tioga Technologies Inc. (collectively, "Tioga"), jointly and severally hereby irrevocably designates, appoints and empowers SIMicroelectronics N.V., SIMicroelectronics Ltd. and any of their affiliates, duly authorized officers and agents (collectively, "ST"), as the undersigned's agent and attorney in fact, to act for and in its behalf:

1. To execute, verify and file any such documents and to do all other lawfully permitted acts to obtain and enforce the proprietary rights relating to any and all inventions, original works or authorship, developments, improvements, or trade secrets of Tioga in any and all countries, with the same legal force and effect as if executed by Tioga.
2. To take any action in connection with the prosecution and or maintenance of (i) any patents invented, acquired or filed by Tioga, including utility and design patents, patent applications, provisional applications and similar filings in any jurisdiction, to the extent currently owned or held by Tioga (the "Patents"); and (ii) any trademarks, trade names, logos, trademark applications, domain names, and other marks used and/or registered or filed by Tioga or by Tioga Technologies Inc. in any jurisdiction, to the extent currently owned or held by Tioga (the "Trademarks"); including without limitation, to file any document, to respond to any outstanding action, to receive letters and to pay any fees on any such Patents and Trademarks.
3. To sign any document attesting the assignment of all rights, title and interest in and to the Patents and Trademarks from Tioga to ST, and to record any such document in the United States Patent and Trademark Office (the "Office") or in any other authority in any country.
4. To take any action against any party, including without limitation, to file lawsuits or initiate any other proceeding in any country, in connection with the Patents and Trademarks.
5. To appoint any person as attorney or agent with full power of substitution and revocation to prosecute the applications listed above and transact all business in the Office or in similar authorities in other countries.

DATED this 28<sup>th</sup> day of April, 2003

I AM  
Tioga Technologies Ltd.

I MARK  
Tioga Technologies Inc.