

PATENT ASSIGNMENT

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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>Mirko GUARNERA</td> <td>03/26/2012</td> </tr> <tr> <td>Alfio CASTORINA</td> <td>03/26/2012</td> </tr> <tr> <td>Giuseppe SPAMPINATO</td> <td>03/26/2012</td> </tr> <tr> <td>Osvaldo M. COLAVIN</td> <td>04/20/2012</td> </tr> <tr> <td>John BLOOMFIELD</td> <td>03/26/2012</td> </tr> <tr> <td>Armand HEKIMIAN</td> <td>07/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mirko GUARNERA	03/26/2012	Alfio CASTORINA	03/26/2012	Giuseppe SPAMPINATO	03/26/2012	Osvaldo M. COLAVIN	04/20/2012	John BLOOMFIELD	03/26/2012	Armand HEKIMIAN	07/10/2012
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<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>I-20041</td> </tr> </table>		Name:	STMicroelectronics S.r.l.	Street Address:	Via C. Olivetti, 2	City:	Agrate Brianza	State/Country:	ITALY	Postal Code:	I-20041				
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<table border="1"> <tr> <td>Name:</td> <td>STMicroelectronics, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>750 Canyon Drive, Suite 300, Mail Station 2346</td> </tr> <tr> <td>City:</td> <td>Coppell</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75019</td> </tr> </table>		Name:	STMicroelectronics, Inc.	Street Address:	750 Canyon Drive, Suite 300, Mail Station 2346	City:	Coppell	State/Country:	TEXAS	Postal Code:	75019				
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PROPERTY NUMBERS Total: 1															
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Application Number:	13430661														
CORRESPONDENCE DATA															
Fax Number:	(425)455-1046														
Phone:	425.455.5575														
Email:	bkuvac@graybeal.com														
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent															

OP \$40.00 13430661

via US Mail.

Correspondent Name: GRAYBEAL JACKSON LLP
Address Line 1: 400 - 108TH AVENUE NE
Address Line 2: SUITE 700
Address Line 4: BELLEVUE, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:

2110-387-03

NAME OF SUBMITTER:

Bryan A. Santarelli

Total Attachments: 10

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ASSIGNMENT

WHEREAS we, Mirko GUARNERA ("ASSIGNOR 1"); Alfio CASTORINA ("ASSIGNOR 2"); Giuseppe SPAMPINATO ("ASSIGNOR 3"); Osvaldo M. COLAVIN ("ASSIGNOR 4"); John BLOOMFIELD ("ASSIGNOR 5"); and Armand HEKIMIAN ("ASSIGNOR 6", DECEASED); (collectively hereinafter "ASSIGNORS"), having mailing addresses of Via Donizetti 25/B San Giovanni La Punta I-95037, Italy; Via G. Pascoli 35, Linera (CT) I-95020, Italy; Via Ettore Gaetano Giardino 10, Catania I-95121, Italy; 6154 Caminito Baeza, San Diego (CA), 92122, US; 300 E Round Grove Rd apt 1522, Lewisville (TX) 75067, US; and 3280 Candlewood Trail, Plano (TX) 75023, US, respectively, are the joint inventors of the invention(s) disclosed in an application for United States letters patent entitled, **SCANNER APPARATUS, RELATED METHOD AND COMPUTER PROGRAM PRODUCT**, filed 03/26/2012, and allotted United States Patent Application No. 13/430,661 (an attorney for either of the assignees may enter this information after this Assignment is executed); and

WHEREAS, STMicroelectronics S.r.l. ("ASSIGNEE 1") and STMicroelectronics INC ("ASSIGNEE 2") (collectively hereinafter "ASSIGNEES"), respectively juristic entities of Italy and United States, having principle places of business at Via C. Olivetti, 2, I-20041 Agrate Brianza (MB), Italy; and at 750 CANYON DRIVE, SUITE 300 MAIL STATION 2346, COPPELL 75019 (TX), US, respectively, are desirous of acquiring the entire right, title, and interest in and to the invention(s), application(s), and/or any letters patent(s) 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, ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 hereby sell, assign, and transfer unto said ASSIGNEE 1 the entire right, title, and interest in and to said invention(s), said application(s), including any and all nonprovisional application(s) for letters patent claiming priority thereto, and any and all letters patent(s) which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisional, reissue, continuation, continuation-in-part, and substitute application(s) thereof, including the right to file any foreign application(s) directly in the name of ASSIGNEE 1,

Page 1 of 8

Docket No.: 2110-387-03 (10-CT-1248US01)

the name of ASSIGNEE 2, or in the names of both ASSIGNEE 1 and ASSIGNEE 2, and to claim priority rights deriving from said United States application(s) to which said foreign application(s) are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s) and any and all letters patent(s) granted therefor to be held and enjoyed by ASSIGNEE 1, its successors, and assigns as fully and entirely as same would have been held and enjoyed by ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 had this assignment, transfer, and sale not been made;

ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent(s) on said invention(s) to ASSIGNEE 1;

ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made which would conflict with this assignment;

ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 further transfer and assign to ASSIGNEE 1 all causes of action, rights, and remedies arising under any such application(s) for United States and/or foreign letters patent(s) on said invention(s) prior to or after the effective date of this Assignment; and

ASSIGNOR 1, ASSIGNOR 2 and ASSIGNOR 3 agree to execute all instruments and documents required for the making and prosecution of applications for any and all application(s) for United States and/or foreign letters patent(s) on said invention(s), for litigation regarding any and all application(s) and/or letters patent(s), and/or for the purpose of protecting title to said invention(s), application(s), and/or letters patent(s) therefor;

FURTHERMORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 hereby sell, assign, and transfer unto said ASSIGNEE 2 the entire right, title, and interest in and to said invention(s), said application(s), including any and all nonprovisional application(s) for letters patent claiming priority thereto, and any and all

letters patent(s) which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisional, reissue, continuation, continuation-in-part, and substitute application(s) thereof, including the right to file any foreign application(s) directly in the name of ASSIGNEE 1, the name of ASSIGNEE 2, or in the names of both ASSIGNEE 1 and ASSIGNEE 2, and to claim priority rights deriving from said United States application(s) to which said foreign application(s) are entitled by virtue of international convention, treaty, or otherwise, said invention(s), application(s) and any and all letters patent(s) granted therefor to be held and enjoyed by ASSIGNEE 2, its successors, and assigns as fully and entirely as same would have been held and enjoyed by ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 had this assignment, transfer, and sale not been made;

ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent(s) on said invention(s) to ASSIGNEE 2;

ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 hereby covenant that no assignment, sale, agreement, or encumbrance has been or will be made which would conflict with this assignment;

ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 further transfer and assign to ASSIGNEE 2 all causes of action, rights, and remedies arising under any such application(s) for United States and/or foreign letters patent(s) on said invention(s) prior to or after the effective date of this Assignment; and

ASSIGNOR 4, ASSIGNOR 5 and ASSIGNOR 6 agree to execute all instruments and documents required for the making and prosecution of applications for any and all application(s) for United States and/or foreign letters patent(s) on said invention(s), for litigation regarding any and all application(s) and/or letters patent(s), and/or for the purpose of protecting title to said invention(s), application(s), and/or letters patent(s) therefor.

Each person signing this document on behalf of Mr. Armand HEKIMIAN (ASSIGNOR 6) represents that he/she is an authorized representative of the estate of Mr. Armand HEKIMIAN and, as such, is authorized to execute this document on behalf of the estate of Mr. Armand HEKIMIAN. Said each person agrees to provide documentation proving such authorization upon request.


Mirko GUARNERA (ASSIGNOR 1)

26/03/2012
DATE

I hereby declare that I was personally present and did see ASSIGNOR 1, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: NUNZIATA IVANA GUARNERA Signature: Nunziata Ivana Guarnera


Alfio CASTORINA (ASSIGNOR 2)

26/03/2012
DATE

I hereby declare that I was personally present and did see ASSIGNOR 2, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: NUNZIATA IVANA GUARNERA Signature: Nunziata Ivana Guarnera

Giuseppe Spampinato
Giuseppe SPAMPINATO (ASSIGNOR 3)

26/03/2012
DATE

I hereby declare that I was personally present and did see ASSIGNOR 3, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: NUNCIATA IVANA GUARNIERI Signature: Nunciata Ivana Guarnieri

Osvaldo M. COLAVIN (ASSIGNOR 4)

DATE

I hereby declare that I was personally present and did see ASSIGNOR 4, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____ Signature: _____

Giuseppe SPAMPINATO (ASSIGNOR 3)

DATE

I hereby declare that I was personally present and did see ASSIGNOR 3, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____

Signature: _____


Osvaldo M. COLAVIN (ASSIGNOR 4)


DATE

I hereby declare that I was personally present and did see ASSIGNOR 4, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____

Signature: _____


John BLOOMFIELD (ASSIGNOR 5)

March 26th 2012
DATE

I hereby declare that I was personally present and did see ASSIGNOR 5, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____

Signature: _____

Armand HEKIMIAN (ASSIGNOR 6, DECEASED)

By: _____

Signature: _____

Title: _____

By: _____

Signature: _____

Title: _____

Page 7 of 8

Docket No.: 2110-387-03 (10-CT-1248US01)

John BLOOMFIELD (ASSIGNOR 5) DATE

I hereby declare that I was personally present and did see ASSIGNOR 5, who is personally known to me to be the person named above, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____ Signature: _____

Armand HEKIMIAN (ASSIGNOR 6, DECEASED)

By: Beatrice VARICHON

Signature: *Beatrice Varichon*

Title: wife

By: _____

Signature: _____

Title: _____

By: _____

Signature: _____

Title: _____

I hereby declare that I was personally present and did see the person(s) executing this Assignment document on behalf of the estate of the deceased ASSIGNOR 6, this(these) person(s) being personally known to me, duly sign and execute this Assignment document on this _____ day of _____, 2012, of his/her(their) own free will for the purpose expressed therein at the following location:

WITNESS

Name: _____

Signature: _____