

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
PIER LUIGI GARDELLA	09/16/2008
MASSIMILIANO BARONE	09/16/2008
GARY SWEET	09/28/2008
DANILO PAU	09/16/2008
STEPHEN HILL	09/28/2008
SIMON GODA	09/28/2008

**RECEIVING PARTY DATA**

Name:	STMICROELECTRONICS S.R.L.
Street Address:	VIA C. OLIVETTI, 2
City:	AGRATE BRIANZA (MI)
State/Country:	ITALY
Postal Code:	I-20041

Name:	STMICROELECTRONICS LTD.
Street Address:	PLANAR HOUSE-PARKWAY GLOBE PARK
City:	MARLOW BUCKS
State/Country:	UNITED KINGDOM
Postal Code:	SL7 1YI

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11145021

**CORRESPONDENCE DATA**

Fax Number: (425)455-1046  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 425-455-5575  
 Email: chawk@graybeal.com

**PATENT**

**500726723**

**REEL: 021956 FRAME: 0423**

OP \$40.00 11145021

Correspondent Name: Graybeal Jackson LLP  
Address Line 1: 155 - 108th Avenue NE, Suite 350  
Address Line 4: Bellevue, WASHINGTON 98004

ATTORNEY DOCKET NUMBER:

2110-145-03

NAME OF SUBMITTER:

James J. Carter

**Total Attachments: 7**

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## ASSIGNMENT OF U.S. AND FOREIGN RIGHTS IN INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration the adequacy and receipt of which are hereby acknowledged,

ASSIGNOR Pier Luigi Gardella residing or having a principal place of business at Via XXV Aprile, 4, 26836 Montanaso Lombardo (Lodi), ITALY, and a citizen or juristic entity of Italy,

ASSIGNOR Massimiliano Barone residing or having a principal place of business at Via De Amicis, 9, 20091 Bresso (Milano), ITALY, and a citizen or juristic entity of Italy,

ASSIGNOR Gary Sweet residing or having a principal place of business at 35, Brackendene, Bradley Stoke, BS32 9DJ Bristol, Great Britain, and a citizen or juristic entity of Great Britain,

ASSIGNOR Danilo Pau residing or having a principal place of business at Via Dante, 131, 20099 Sesto San Giovanni (Milan), ITALY, and a citizen or juristic entity of ITALY,

ASSIGNOR Stephen Hill residing or having a principal place of business at 22 Heritage Close, Peasedown St. John, Bath, BA2 8TJ Somerset, Great Britain, and a citizen or juristic entity of Great Britain,

ASSIGNOR Simon Goda residing or having a principal place of business at Garden Flat, 109 Cotham Brow, Cotham, BS6 6AS Bristol, Great Britain, and a citizen or juristic entity of Great Britain,

hereby sell, assign, and transfer to:

ASSIGNEE STMicroelectronics S.r.l., residing or having a principal place of business at Via C. Olivetti, 2, I-20041, Agrate Brianza (MI), Italy and a citizen or juristic entity of Italy, and STMicroelectronics Ltd., residing or having a principle place of business at Planar House - Parkway Globe Park - SL7 1YI, Marlow Bucks, Great Britain, and a citizen or juristic entity of Great Britain, and the successors, assigns, and legal representatives of the ASSIGNEE, the entire right, title, and interest in the United States and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled **METHOD OF PROCESSING A DIGITAL IMAGE BY MEANS OF ORDERED DITHERING TECHNIQUE DESCRIPTION** and which is found in United States patent application serial number 11/145,021, filed on June 3, 2005 (if not present when this instrument is executed, applicant's attorney or agent is authorized to enter the application serial number and filing date upon receipt of the same from the United States Patent and Trademark Office), and in and to all Letters Patent to be obtained from said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent from any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

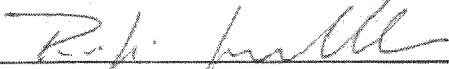
**PATENT**

**REEL: 021956 FRAME: 0425**

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts, documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, and enforce said application, said invention, and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purpose thereof.

ASSIGNOR:

Name: Pier Luigi Gardella

Signature: 

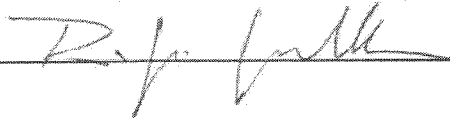
Title (if applicable): SYSTEM ENGINEER

EXECUTED ON, and effective from this: 16th day of September, 2008,  
~~2005~~ at AGRATE, S1 MICROELECTRONICS

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: PIERLUIGI GARDELLA

Signature: 

Name: Massimiliano Barone

Signature: \_\_\_\_\_

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this \_\_\_\_\_ day of \_\_\_\_\_,  
2005 at \_\_\_\_\_

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

ASSIGNOR:

Name: Pier Luigi Gardella

Signature: \_\_\_\_\_

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this \_\_\_\_\_ day of \_\_\_\_\_, 2005 at \_\_\_\_\_

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Massimiliano Barone

Signature: Massimiliano Barone

Title (if applicable): RED SYSTEM ENGINEER

EXECUTED ON, and effective from this 16-09-00 day of \_\_\_\_\_, 2005 at AGRATE BRIANZA

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

PATENT

REEL: 021956 FRAME: 0428

Name: Gary Sweet

Signature: [Handwritten Signature]

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this 28th day of September,  
2005 at 18.20 - 45 HAWKINS CRES, BRADLEY STAKE, BRISTOL  
2008

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this 28th day of September, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

45 Hawkins Crescent Bradley Stoke Bristol

WITNESS

Name: ALISON SHORT

Signature: [Handwritten Signature]

Name: Danilo Pau

Signature: \_\_\_\_\_

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this \_\_\_\_\_ day of \_\_\_\_\_,  
2005 at \_\_\_\_\_

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

\_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Gary Sweet

Signature: \_\_\_\_\_

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this \_\_\_\_\_ day of \_\_\_\_\_,  
2005 at \_\_\_\_\_

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Danilo Pau

Signature: Danilo Pau

Title (if applicable): R&D TEAM MANAGER

EXECUTED ON, and effective from this 16<sup>th</sup> day of Sept 2008,  
2005 at Agrate Branca (RJ)

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

PATENT

REEL: 021956 FRAME: 0430



Name: Stephen Hill

Signature: S. A. Hill

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this 28th day of September, 2008,  
~~2005~~ at Somerset

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Simon Goda

Signature: S. Goda

Title (if applicable): \_\_\_\_\_

EXECUTED ON, and effective from this 28th day of September, 2008,  
~~2005~~ at Bristol

I hereby declare that I was personally present and did see the ASSIGNOR, who is personally known to me to be a person named in the assignment, duly sign and execute the same on this \_\_\_\_\_ day of \_\_\_\_\_, 2005 of his own free will for the purpose therein expressed at the following location: \_\_\_\_\_

WITNESS

Name: \_\_\_\_\_

Signature: \_\_\_\_\_