

09-06-2007

DEPT. OF COMMERCE  
Patent and Trademark Office



103442380

60.30.07

To the Director of the U.S. Patent and Trademark Office: Please record this application in the name of the inventor(s) and the address(es) below.

1. Name of conveying party(ies):

Frankie Eymard (07/11/2007) and  
Christophe Barnichon (07/17/2007)

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

2. Name and address of receiving party(ies)

Name: STMicroelectronics S.A.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

STMicroelectronics S.A.  
29, Boulevard Romain Rolland  
92120 Montrouge  
FRANCE

City: \_\_\_\_\_

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

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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

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

Execution Date(s): in parentheses after inventor name

Assignment  Merger  Change of Name

Security Agreement  Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other \_\_\_\_\_

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

11/761,184

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Andre M. Szuwalski  
GARDERE WYNNE SEWELL LLP

Internal Address: Atty. Dkt.: 361919-001055  
Street Address: 1601 Elm Street, Suite 3000

CUSTOMER NO. 32914

City: Dallas

State: TX Zip: 75201-4761

Phone Number: (214) 999-4795

Fax Number: (214) 999-3795

Email Address: aszuwalski@gardere.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- 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 \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

9. Signature:

Signature

Andre M. Szuwalski - 35,701  
Name of Person Signing

August 27, 2007  
Date

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

4

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: MS MISSING PARTS, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

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

(Margo Barbarash)

Dated: August 27, 2007

40.00  
RECEIVED  
AUG 27 2007  
PTO

**ASSIGNMENT BY INVENTORS**

**THIS ASSIGNMENT**, made by Frankie EYMARD and Christophe BARNICHON (hereinafter referred to as Assignors), residing at 52 Chemin du Vinay, Bat. A, 38360 SASSENAGE France; and 7 Rue Gerin, 38360 SASSENAGE France, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in CADENCE DETECTION IN A SEQUENCE OF VIDEO FIELDS, set forth in a Patent application for Letters Patent of the United States, filed herewith or on June 11, 2007 as application no. 11/761 184; and

**WHEREAS**, STMicroelectronics S.A., a Corporation organized under and pursuant to the laws of France having its principal place of business at STMicroelectronics S.A., 29, Boulevard Romain Rolland, 92120 Montrouge, FRANCE (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or

terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

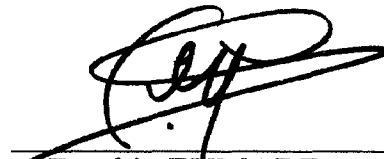
AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

GARDERE WYNNE SEWELL LLP

All practitioners at Customer Number 32914

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 11 July 2007

Signature:   
Frankie EYMARD

Date: 17 juillet 2007

Signature:   
Christophe BARNICHON