

7-6-04

07-08-2004

Form PTO-1595
(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Osvaldo Colavin
Vineet Soni
Davide RizzoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 06/28/2004, respectively

2. Name and address of receiving party(ies)

Name: STMicroelectronics, Inc.

Internal Address: _____

Street Address: 1310 Electronics Drive

City: Carrollton State: TX Zip: 75006

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 10/749,472

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Docket Clerk

Internal Address: _____

Street Address: P.O. Drawer 800889

City: Dallas State: TX Zip: 75380

6. Total number of applications and patents involved: 1

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

☒ Enclosed☒ Authorized to be charged to deposit account
Deficiencies and overpayments only

8. Deposit account number:

50-0208

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9. Signature.

William A. Munck, Reg. No. 39,308

Name of Person Signing

Signature

Jun 30, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

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PATENT
REEL: 015533 FRAME: 0197

ASSIGNMENT

WHEREAS, We, Osvaldo Colavin, a citizen of the France and resident of San Diego, San Diego County, California, Vineet Soni, a citizen of the United States of America and resident of San Diego, San Diego County, California, and Davide Rizzo, a citizen of the Italy and resident of San Diego, San Diego County, California, have invented certain new and useful improvements in a "METHOD AND SYSTEM FOR SUPPORTING SOFTWARE PIPELINING USING A SHIFTING REGISTER QUEUE" disclosed in an application for United States Letters Patent (Application No. 10/749,472, filed December 31, 2003), said application having been executed concurrently herewith;

WHEREAS, STMicroelectronics, INC., a corporation organized under the laws of the state of Delaware, having a place of business at 1310 Electronics Drive, Carrollton, Texas 75006, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, 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 invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; I authorize Lisa K. Jorgenson of STMicroelectronics, Inc. and William A. Munck and John T. Mockler of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

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 invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all

lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____ 2004.

Date: 6/28/04

Osvaldo Colavin
Osvaldo Colavin

Date: 6/28/04

Vineet Soni
Vineet Soni

Date: 6/28/04

Davide Rizzo
Davide Rizzo