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(Rev. 06/04)



102854444

COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
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ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Names of conveying party(ies)/Execution Date(s):

- 1) MOHAMMED JAVED ABSAR
- 2) SAPNA GEORGE
- 3)
- 4)
- 5)
- 6)

Execution Dates:

- 1) JULY 12, 2004
- 2) JUNE 29, 2004
- 3)
- 4)
- 5)
- 6)

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

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

Name: STMICROELECTRONICS ASIA PACIFIC PTE. LTD.

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

Street Address: 28 ANG MO KIO INDUSTRIAL

PARK 2

City: SINGAPORE

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

Country: SINGAPORE Zip 569508

Additional names & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ 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).

10/479,952

04/17/2004 SHAJARRO 00000053 10479952

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Name: Seed Intellectual Property Law Group PLLC

Internal Address: ROBERT IANNUCCI

Street Address: 701 Fifth Avenue, Suite 6300

City: Seattle

State: WA ZIP: 98104-7092

Phone Number: 206-622-4900

Fax Number: 206-682-6031

Email Address: bobi@SeedIP.com

6. Total number of applications and patents involved

1

7. Total Fee (37 CFR 1.21(h) & 3.41):

\$40

- ☐ 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. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT IANNUCCI

Name of Person Signing

Signature

Date

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

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

AUG-16-04 02:30PM FROM-DONALDSON &amp; BURKINSHAW

+65 65326431

T-915 P.002/004 F-142

## ASSIGNMENT

WHEREAS, we, Mohammed Javed Absar and Sapna George (hereinafter referred to as ASSIGNORS), having mailing addresses of ~~Block 411, #09-1006 Hougang Ave. 10, Singapore, Singapore, 530411~~ <sup>22E, VAN BREYENBERGH STRAAT, LEUVEN 3000, BELGIUM</sup> and Blk 315, #06-220 Serangoon Ave 2, Singapore, Singapore 550315, respectively, are the joint inventors of an invention entitled "UNIFIED FILTER BANK FOR AUDIO CODING," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/479,952 which was filed as PCT/SG01/00113 filed June 8, 2001;

WHEREAS, STMicroelectronics Asia Pacific Pte Ltd (hereinafter referred to as ASSIGNEE), a corporation of the Singapore a place of business at 28 Ang Mo Kio Industrial Park 2, Singapore, Singapore 569508, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent 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, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

AUG-16-04 02:30PM FROM-DONALDSON &amp; BURKINSHAW

+65 85326431

T-915 P.003/004 F-142

Application No. 10/479,952

12 July 2004  
DateJaved Absar  
MOHAMMED JAVED ABSAR

I certify that I know or have satisfactory evidence that Mohammed Javed Absar is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated

21/7/04

Witness Name

[Signature]29<sup>th</sup> June 04  
DateSapna George  
SAPNA GEORGE

I certify that I know or have satisfactory evidence that Sapna George is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated

[Signature]

Witness Name

21/7/04

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