

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yaqiang Ding	04/11/2007
Jiang Lin	04/11/2007
Fu-Huei Lin	04/11/2007

RECEIVING PARTY DATA

Name:	Spreadtrum Communications Corporation
Street Address:	810 E. Arques Avenue
City:	Sunnyvale
State/Country:	CALIFORNIA
Postal Code:	94085

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11712845

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:

38483.8048.US00

NAME OF SUBMITTER:

Chun M. Ng

Total Attachments: 3

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PATENT

REEL: 019294 FRAME: 0160

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OP \$40.00 11712845

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RECORDATION FORM COVER SHEET

PATENTS ONLY

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

1. Name of conveying party(ies):

Yaqiang Ding (04/11/2007), Jiang Lin  
(04/11/2007), and Fu-Huei Lin (04/11/2007)

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

2. Name and address of receiving party(ies)

Name: Spreadtrum Communications Corporation

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

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

810 E. Arques Avenue

City: Sunnyvale

State: California

Country: United States of America Zip: 94085

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):

A. Patent Application No.(s)

11/712,845

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Chen Liang  
PERKINS COIE LLP

Internal Address: Atty. Dkt.: 384838048US

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City: Seattle

State: WA Zip: 98111-1247

Phone Number: (206) 359-8000

Fax Number: (206) 359-7198

Email Address: \_\_\_\_\_

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

☒ Payment by EFT Account No. SEA1PIRM

☐ 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

5/14/07  
Date

Chen Liang - 51,945  
Name of Person Signing

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

3

## ASSIGNMENT BY INVENTORS

This Assignment is by Yaqiang Ding; Jiang Lin; and Fu-Huei Lin (the "Assignors"), residing at Room 706, Building 621, No. 3671, North Zhongshan Road, Shanghai 200062, PEOPLE'S REPUBLIC OF CHINA; Room 202, Building 22, Sub-Nong 111 of Nong 7580, Hu Min Road, Shanghai 201102, PEOPLE'S REPUBLIC OF CHINA; and 10636 Merriman Road, Cupertino, California 95014, respectively. The Assignors have invented one or more certain inventions (the "Invention(s)") described in a Patent application for Letters Patent of the United States entitled METHODS AND APPARATUSES OF FAST CROSS MOTION ESTIMATION FOR VIDEO ENCODING (the "Application"), already filed on February 28, 2007 as U.S. Application No. 11/712,845.

Spreadtrum Communications Corporation, a Corporation of California having its principal place of business at 810 E. Arques Avenue, Sunnyvale, California 94085 ("Assignee"), desires to acquire the entire right, title and interest in and to the Invention(s) and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Invention(s) in the United States or in any foreign countries.

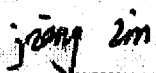
For valuable consideration, the receipt and sufficiency of which Assignors acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Invention(s), the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application and any other application claiming priority rights from the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that Assignors own the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to

issue any Patent of the United States that may be issued on the invention(s) to Assignee.  
This Assignment may be executed in counterparts.

Date: 04/11/07

Signature:   
Yaqiang Ding

Date: 04/11/07

Signature:   
Jlang Lin

Date: 04/11/2007

Signature:   
Fuhuel Lin