

12-28-2006



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To the Director of the U.S. Patent and Trademark Office, at the address(es) below. 103354620

attached document(s) or the new

2006 DEC 27 AM 11:55  
FINANCE SECTION

1. Name of conveying party(ies) and execution date:

Execution Date

Haiyin Ma September 6, 2006  
Lizheng Cao September 6, 2006  
Weijun Ma September 6, 2006  
Sheng Yi September 6, 2006

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

Name: Huawei Technologies Co., Ltd.  
Street Address: Huawei Administration Building,  
Bantian, Longgang District, Shenzhen  
City: Guangdong  
State: P.R. China  
Zip: 518129

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

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Merger
- Change of Name
- Other: \_\_\_\_\_

4. Application or patent number(s):  This document is being filed together with a new application.

A. Patent Application Number(s):

10/589,643

B. Patent Number(s):

Additional numbers attached:  Yes  No

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

Wood, Phillips, Katz, Clark & Mortimer  
Citigroup Center, Suite 3800  
500 West Madison Street  
Chicago, Illinois 60661  
Phone: (312) 876-1800

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 to Deposit Account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information  
Deposit Account Number: 23-0785

9. SIGNATURE

Karen A. Sanderson  
Name of Person Signing

*Karen A. Sanderson*  
Signature

December 22, 2006  
Date

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

Documents to be recorded (including cover sheet) should be faxed to (671) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

DEQ10337P00070US

PATENT  
REEL: 018729 FRAME: 0434

# ASSIGNMENT

Serial No. 10/589,643

Filed\_ August 15, 2006

In consideration of One Dollar and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor, or each inventor if more than one, hereby assigns to HUAWEI TECHNOLOGIES CO., LTD. (a Chinese corporation),

its successors and assigns (hereinafter called "said assignee"), the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled,

## METHOD FOR IMPLEMENTING WIDE AREA CENTREX,

executed by the undersigned on the dates provided, and in said application and any and all other applications for United States Letters Patent, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents to issue said Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the date and serial number of said application.

For said consideration, the undersigned hereby agrees, upon the request and at the expense of said assignee, to execute any divisional, continuation or substitute application for said invention or improvements, and any oath, declaration or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. The undersigned agrees to perform, upon request, any affirmative acts to obtain said Letters Patent of the United States and vest in said assignee all rights therein, whereby said Letters Patent will be held and enjoyed by said assignee, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same should have been held and enjoyed by the undersigned if this assignment had not been made.

And for said consideration, the undersigned hereby assigns to said assignee the entire right, title and interest in said invention or improvements for all foreign countries, including all priority rights

under the International Convention, and agrees to execute, at the request of said assignee, all documents in connection with any application for foreign letters patent therefor.

2006.9.06

Date

Ma, Haijun

Name MA, Haijun

2006.9.6

Date

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Date

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