

10-17-2000

ATTORNEY DOCKET NO.: 1005-0017

10-3-00

R



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101489491

To the Honorable Commissioner of Patents and T.

...ual documents or copy thereof.

1. Name of conveying party(ies):  
Haixiang Liang

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

2. Name and address of receiving party(ies):  
Name: AltoCom, Inc.  
Internal Address: \_\_\_\_\_  
Street Address: 16215 Alton Parkway  
City: Irvine State: CA ZIP: 92618-3616  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: July 28, 2000

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.: 09/627,572, filed July 28, 2000 B. Patent No.: \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name David W. O'Brien  
Internal Address: Zagorin, O'Brien & Graham, L.L.P.  
Street Address: 401 West 15<sup>th</sup> Street, Suite 870  
City AUSTIN State TX ZIP 78701

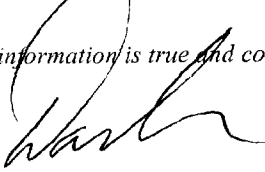
6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00  
 A check is enclosed for the Total Fee shown above  
 Please charge the Total Fee shown above to Deposit Account 50-0631  
 Authorized to charge additional fees to Deposit Account 50-0631

DO NOT USE THIS SPACE

8. 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.*

David W. O'Brien, Reg. No. 40,107  
Name of Person Signing

  
Signature

9/25/00  
Date

Total number of pages including cover sheet: 3

10/16/2000 MTHAI1 00000268 09627572  
01-FC-581 40.00 OP

**ASSIGNMENT OF INVENTION**

For good and valuable consideration, the receipt of which is hereby acknowledged,  
I, an ASSIGNOR named below,

Haixiang Liang of ~~San Jose~~, CA  
*Palo Alto*

hereby sell, assign and transfer to

ASSIGNEE: AltoCom, Inc. a California Corporation, having a principal place of  
business located at 16215 Alton Parkway, Irvine, CA 92618-3616,

its successors, assigns and legal representatives, my entire right, title and interest throughout  
the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on \_\_\_\_\_, or
- U.S. Provisional Application
- U.S. Application No.: \_\_\_\_\_, filed on \_\_\_\_\_
- International Application No.: PCT/\_\_\_\_\_, filed on \_\_\_\_\_

ENTITLED: **CATEGORIZATION OF IMPAIRMENTS AFFECTING A  
COMMUNICATION CHANNEL**, and naming as

INVENTOR(S): Haixiang Liang

including without limitation, my entire right, title and interest in and to any and all United  
States and foreign applications (including international, regional and foreign national  
applications) for said invention(s), including divisions, continuations, continuations-in-part,  
renewals, substitutes and extensions thereof, and in and to any and all patents of every  
country or region that may be granted or have been granted for said invention(s), including  
any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that  
the application number and filing date be inserted here, if not already shown above,  
(\_\_\_\_/\_\_\_\_, filed \_\_\_\_\_) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to  
claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and  
foreign applications (including international, regional, and foreign national applications), and  
generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees,  
at their request and reasonable expense, in obtaining and enforcing patents for said  
invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or  
will be made or entered into that would conflict with this Assignment.

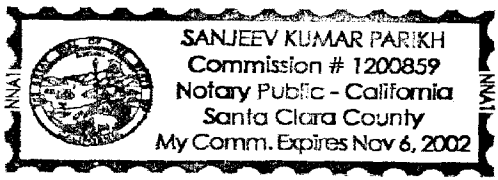
I authorize and request the Commissioner of Patents and Trademarks to issue any U.S.  
Letters Patent that may be granted for said invention(s) to ASSIGNEE, its successors or  
assigns.

Executed on July 28, 2000 by Haixiang Liang  
Haixiang Liang

----- Notary Use Below -----

State of CALIFORNIA  
County of Santa Clara

On 7-28-2000, Haixiang Liang, personally known to me  or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within this instrument, personally appeared before me and acknowledged to me that ~~he~~/ she executed this instrument in ~~his~~/ her authorized capacity, and that by ~~his~~/ her signature ~~he~~/ she or the entity upon behalf of which ~~he~~/ she acted, executed the instrument.



WITNESS my hand and official seal.

Sanjeev Parikh  
Signature of Notary