

06-07-1999

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To the Honorable Commissioner of Patents and

1. Name of conveying party(ies):

Robert A. Luxenberg  
Yifei C. Huang

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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: 5/11/99 & 5/24/99

A. Patent Application No.(s)

09/320388

B. Patent No.(s)

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

Name: Blakely, Sokoloff, Taylor & Zafman

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

Street Address: 12400 Wilshire Blvd.

7th Floor

City: Los Angeles State: CA ZIP: 90025

6. Total number of applications and patents involved:

1

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

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Attorney Docket No.: 003789.P002

LJV/ccm (1/31/96)

**PATENT  
REEL: 009993 FRAME: 0840**

U.S. PTO  
09/320388

05/26/99

No.: 03789.P002 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we  
the undersigned, Robert A. Luxenberg and Yifei C. Huang

hereby sell, assign, and transfer to VINA Technologies, Inc.  
a corporation of California, having a principal place of business at  
42709 Lawrence Place, Fremont, CA 94538, ("Assignee"),  
and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
United States and all foreign countries, in and to any and all improvements that are disclosed in  
the application for the United States patent that has been executed by the undersigned prior  
hereto or concurrently herewith on the dates indicated below and is entitled Method and  
Apparatus for Automatically Determining Allocation of Voice and Data Channels on a T1/E1  
Line

and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on  
any of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions, that have been or shall be issued in the United States and all  
foreign countries on said improvements; and in and to all rights of priority resulting from the  
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the  
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in  
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional  
applications, continuation applications, continued prosecution applications, continuation-in-part  
applications, substitute applications, renewal applications, reissue applications, reexaminations,  
extensions and all other patent applications on any and all said improvements; execute all  
rightful oaths, assignments, powers of attorney, and other papers; communicate to said  
Assignee, its successors, assigns, and representatives all facts known to the undersigned  
relating to said improvements and the history thereof; and generally assist said Assignee, its  
successors, assigns, or representatives in securing and maintaining proper patent protection  
for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and  
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no  
assignment, grant, mortgage, license, or other agreement affecting the rights and property  
herein conveyed has been made to others by the undersigned, and that full right to convey the  
same as herein expressed is possessed by the undersigned.

