

11-24-1999

OMB No. 0651-011 (exp. 4/94)

Tab settings



To the Honorable Commissioner of Patents and T

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all documents or copy thereof.

## 1. Name of conveying party(ies):

Paul A. Underbrink, Kelly H. Hale, Patrick D. Ryan, Joseph H. Colles, Daryush Shamlou, Christian Levesque, and Guang-Ming Yin

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Conexant Systems, Inc.

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

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: 08/11/99, 08/12/99, 08/16/99, 08/27/99,  
09/03/99 & 09/08/99Street Address: 4311 Jamboree Road, Dept. 927 (EO9-900)City: Newport Beach State: CA Zip: 92660-3095

Additional name(s) &amp; address(es) attached?

☐ Yes☒ No

## 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.(s)

B. Patent No.(s)

09/394,189, filed 09/13/99

Additional numbers attached? ☐ Yes ☒ No

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

Name: Christopher J. Rourk

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

Akin, Gump, Strauss, Hauer & Feld, L.L.P.Street Address P.O. Box 688City: Dallas State: TX ZIP: 75313-0688

## 6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

## 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.

Christopher J. Rourk

Name of Person Signing

Reg. No. 39,348

  
Signature11/11/99  
DateTotal number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents, Box Assignment

Washington, D.C. 20231

11/23/1999 DNGUYEN 00000237 09394189

01 FC:581

40.00 DP

PATENT  
REEL: 010390 FRAME: 0176

**ASSIGNMENT**

WHEREAS, WE, Paul A. Underbrink, Kelly H. Hale, Patrick D. Ryan, Joseph H. Colles, Daryush Shamlou and Christian Levesque, citizens of the United States and Guang-Ming Yin, a citizen of People's Republic of China, all residing at the addresses as stated below, respectively, have jointly made an invention entitled "**DIRECTIONAL ANTENNA FOR HAND-HELD WIRELESS COMMUNICATIONS DEVICE**" for which we have executed an application for United States Letters Patent on 08/09/99, 08/12/99, 08/16/99, 08/27/99, 09/03/99, & 09/08/99; and we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, when known:

Filed: 09/13/99                      Serial No.      09/394,189

WHEREAS, we represent and warrant that we are the joint owners of said invention and application for Letters Patent;

WHEREAS, Conexant Systems, Inc. (hereinafter referred to as ASSIGNEE), a corporation organized under the laws of the State of Delaware, U.S.A. having a place of business at 4311 Jamboree Road, Newport Beach, CA 92660-3095, is desirous of acquiring the same;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by us, we have assigned, sold, transferred and set over and by these presents do assign, sell, transfer and set over unto said ASSIGNEE the entire right, title and interest in and to (a) said invention and worldwide rights therein; (b) said application, including all divisions, continuations and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including all reissues, renewals and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file corresponding applications for Letters Patent on said invention in any and all foreign countries, and to claim priority under any and all treaties and conventions to which the United States of America is signatory including the Paris Convention for the Protection of Industrial Property for such corresponding applications, or any division, continuation or substitution thereof, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this assignment not been made.

We jointly and severally covenant and agree that we will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful public record; and (c) defend,

establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

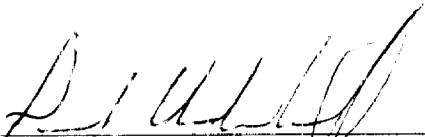
We jointly and severally represent and covenant that no assignment, mortgage, sale, license, pledge, encumbrance or alienation of said invention or patent application has been or will be made or entered into which would conflict with this assignment and sale.

We hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent based on said application and each division, continuation, substitution, reissue, renewal and extension thereof to said ASSIGNEE, its successors and assigns.

Each of the undersigned further declares that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

IN TESTIMONY WHEREOF, we have duly executed this assignment on the date as indicated next to our names

Date: 8-16-1999



First Joint Inventor, Paul A. Underbrink

Residence Address:  
25212 Calle Del Lago  
Lake Forest, CA 92630

State of California )  
County of Orange ) ss.

Before me, the undersigned Notary Public, on this day personally appeared Paul A. Underbrink, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 16 day of August, 1999.



Notary Public

My commission expires: \_\_\_\_\_

Date:

Aug 16, 1999

Kelly H  
Second Joint Inventor; Kelly H. Hale

Residence Address:

4 Cancun

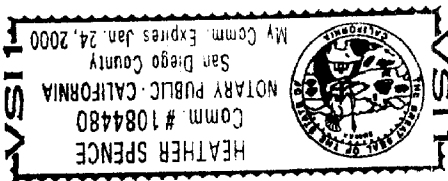
Aliso Viejo, CA 92656  
*alt*

State of California )

County of Orange ) ss.

Before me, the undersigned Notary Public, on this day personally appeared Kelly H. Hale, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 16 day of August, 1999.



Notary Public

Heather Spence

My commission expires: \_\_\_\_\_

Date:

8/27/99

Y-M  
Third Joint Inventor; Guang-Ming Yin

Residence Address:

37 Estornay Drive

Foothill Ranch, CA 92610

State of California )

County of Orange ) ss.

Before me, the undersigned Notary Public, on this day personally appeared Guang-Ming Yin, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 27 day of August, 1999.



Notary Public

Heather Spence

My commission expires: \_\_\_\_\_

Date: 8/12/99

Patrick D. Ryan  
Fourth Joint Inventor; Patrick D. Ryan

Residence Address:  
5510 Avenida Del Tren  
Yorba Linda, CA 92887

State of California )  
(County of Orange) ss.

Before me, the undersigned Notary Public, on this day personally appeared Patrick D. Ryan, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 12 day of August, 1999.



Notary Public Heather Spence

My commission expires: \_\_\_\_\_

Date: 9/8/99

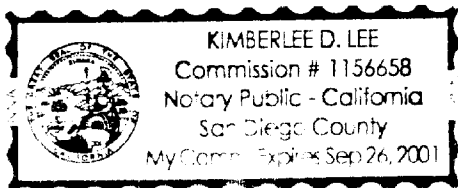
Joseph H. Colles  
Fifth Joint Inventor; Joseph H. Colles

Residence Address:  
31510 Mountain Way  
Ponsall, CA 92003

State of California )  
(County of San Diego) ss.

Before me, the undersigned Notary Public, on this day personally appeared Joseph H. Colles, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 8<sup>th</sup> day of Sept., 1999.



Notary Public Kimberlee D. Lee

My commission expires: 9-26-01

Date:

9/2/99

Sixth Joint Inventor, Daryush Shamlou

Residence Address:

30756 Belle Maison

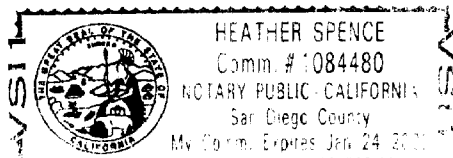
Laguna Niguel, CA 92677

State of California

County of Orange ss.

Before me, the undersigned Notary Public, on this day personally appeared Daryush Shamlou, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed

Given under my hand and seal of office this 3 day of September, 1999.



Notary Public

Heather Spence

My commission expires:

Date:

9/11/99

Seventh Joint Inventor, Christian Levesque

Residence Address:

9344 Watt River

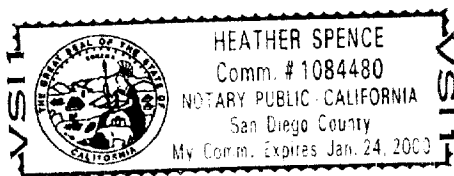
Fountain Valley, CA 92708

State of California

County of Orange ss.

Before me, the undersigned Notary Public, on this day personally appeared Christian Levesque, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed

Given under my hand and seal of office this 11 day of August, 1999.



Notary Public

Heather Spence

My commission expires: