

12-29-2005

103146793
PATENTS ONLY

VER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket Number 20041398-US-NP (XERZ 2 01102)

113277 U.S. PTO
11/312035

122005

To the Director of the U.S. Patent and Trademark Office: Please record the attached original assignment document.

1. Name of all Party(ies) conveying an interest/Execution Date(s):

1. Clifford F. Knollenberg
2. Michael Kneissl
3. Noble M. Johnson

Assignment Execution Date(s):

1. 12-20-2005
2. 12-20-2005
3. 12-20-2005

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

2. Name and Address of receiving Party(ies):

Palo Alto Research Center Incorporated
3333 Coyote Hill Road
Palo Alto, California 94304

Additional name(s) and address(es) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Title: ACOUSTIC DEVICES USING AN AIGaN
PIEZOELECTRIC REGION

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is/are:

1. 12-20-2005
2. 12-20-2005
3. 12-20-2005

A. Patent Application No.(s)

N/A

B. Patent No.(s)

N/AAdditional numbers attached? ☐ Yes ☒ No

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

Mark S. Svat
FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP
1100 Superior Avenue - 7th Floor
Cleveland, OH 44114-2579
(216) 861-5582
CUSTOMER NUMBER: 027885

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: 24-0037

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.

Name of Person Signing:

Mark S. Svat, Reg. No. 34,261

Date

12/20/05

Signature

Total number of pages comprising cover sheet: 1

Rev 09/2003

12/28/2005 DAYTIME 00000168 240037 11312035

01 FC:0021

40.00 RM

Certificate of Mailing

Under 37 C.F.R. § 1.8, I certify that this Recordation Form Cover Sheet and accompanying document(s) are being

____ facsimile transmitted to Assignment Services Division, U.S. Patent and Trademark Office, at (703) 306-5995, on the date indicated below.

X deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, MAIL STOP Assignment Services Division.

Express Mail Label No.: EV 690735596Signature: Karen M. Forsyth
Karen M. ForsythDate: 12-20-05PATENT
REEL: 017392 FRAME: 0376

ASSIGNMENT**Attorney Docket No.: 20041398-US-NP
XERZ 2 01102**

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled **ACOUSTIC DEVICES USING AN AlGaN PIEZOELECTRIC REGION** (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"),

which Application:

- ☒ is being executed concurrently herewith,
☐ was first executed on _____
☐ was filed on _____ as Application Number _____
☐ claims the benefit of U.S. Provisional Application(s) No(s). _____ / _____ filed _____

Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.


Clifford F. Knollenberg

Date 12/20/05

Michael Kneissl

Date 12/20/05


Noble M. Johnson

Date _____

ASSIGNMENT

Attorney Docket No.: 20041398-US-NP
XERZ 2 01102

The undersigned is/are the named inventor(s) (the "inventor(s)") on a United States patent application entitled **ACOUSTIC DEVICES USING AN ALGON PIEZOELECTRIC REGION** (the "Application") for inventions disclosed or claimed therein (the "invention(s)").

which Application:

- ☒ is being executed concurrently herewith,
☐ was first executed on _____
☐ was filed on _____ as Application Number _____
☐ claims the benefit of U.S. Provisional Application(s) No(s). _____ / _____ filed _____

Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the invention(s), and the full cooperation of the inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC;
- (2) agree that PARC may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and
- (4) authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.

Clifford F. Knollenberg

Date _____


Michael Knollenberg

Date 20 Dec - 05

Noble M. Johnson

Date _____