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**RECORDATION COVER**

**LOCATION**

NAME OF CONVEYING PARTY : Howard Cheng-Hung PENG  
NAME OF RECEIVING PARTY : GIGALUMEN TECHNOLOGY CORP.  
ADDRESS OF RECEIVING PARTY : No. 117, Dongmei Rd., Hsinchu City, Taiwan, R.O.C.  
NATURE OF CONVEYANCE : Assignment of U.S. Patent Application  
CONVEYANCE EXECUTION DATE : July 8, 2005  
PATENT APPLICATION NO. : To be assigned  
PATENT APPLICATION FILING DATE : July 27, 2005  
APPLICATION FILED TOGETHER WITH THIS DOCUMENT : YES  
APPLICATION EXECUTION DATE : July 8, 2005  
CORRESPONDENCE ADDRESS : RABIN & BERDO, P.C.  
1101 14th Street, N.W., Suite 500  
Washington, DC 20005  
(Customer No: 23995)  
ATTORNEY REFERENCE : TAIW 387  
TOTAL NUMBER OF PATENTS AND APPLICATIONS INVOLVED : One  
TOTAL FEE PAID : \$40.00  
METHOD OF PAYMENT : ☒ Enclosed  
☐ Authorized to be charged to deposit account

112941 U.S. PTO  
29/235032



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FEE ENCLOSED: \$ 255  
Please charge any further  
fee to our Deposit Account  
No. 18-0502

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.

Steven M. Rabin (Reg. No. 29,102)

July 27, 2005  
Date

Total number of pages including cover sheet, attachments and document: 2.

07/29/2005 FFANAI2 00000011 29235032  
04 FC:8021 40.00

**PATENT**  
**REEL: 016823 FRAME: 0177**

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

WHEREAS Howard Lin, Cheng-Hung PENG  
hereinafter referred to collectively as the assignor, has invented a certain improvement relating to

USB speaker

☒ the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  
☐ said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch and Allen Wood of RABIN & BERDO, P.C., 1101 14<sup>th</sup> Street, N.W., Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;  
☐ said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, (Serial No. \_\_\_\_\_) the United States of America being designated.

AND WHEREAS Gigalumen Technology Corp.

who's address is No.117, Dongmei Rd., Hsinchu City, Taiwan, R.O.C.  
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

Howard Lin

Name of sole or first inventor

Signature

Date

Howard Lin  
July 8, 2005Cheng-Hung PENG

Name of second inventor, if any

Signature

Date

Cheng-Hung PENG7/8/05

July 8, 2005

Name of third inventor, if any

Signature

Date