

09-21-2001



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U.S. Department of Commerce  
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**PATENT**

SHEET

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Execution Date  
Month Day Year  
**August 21, 2001**

Name (1) **Charles Carpenter**  
Name (2) \_\_\_\_\_  
Name (3) \_\_\_\_\_  
Name (4) \_\_\_\_\_

Execution Date  
Month Day Year

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Name (line 2) \_\_\_\_\_  
Address (line 1) **P.O. Box 609501**  
Address (line 2) \_\_\_\_\_  
Address (line 3) **Orlando, FL 32860-9501**  
City State or Country Zip Code

**Domestic Representative Name and Address**

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Name \_\_\_\_\_  
Address (line 1) \_\_\_\_\_  
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**PATENT**  
**REEL: 012172 FRAME: 0382**

Correspondent Name and Address

Area Code and Telephone Number **(407) 841-2330**

Name

**Herbert L. Allen**

Address (line 1)

**Allen, Dyer, Doppelt, Milbrath & Gilchrist, P.A.**

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**255 South Orange Avenue, Suite 1401**

Address (line 3)

**Post Office Box 3791**

Address (line 4)

**Orlando, FL 32801-3791**

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

# **3**

Application Number(s) or Patent Number(s)

( ) Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

Patent Application Number(s)

**09/864,918**

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treat (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

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Number of Properties

Enter the total number of properties involved. # **1**

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ **40.00**

Method of Payment:

Enclosed (X)

Deposit Account ( )

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

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# **01-0484**

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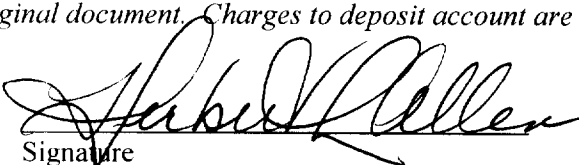
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Statement and Signature

*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. Charges to deposit account are authorized, as indicated herein.***Herbert L. Allen**

Name of Person Signing



Signature

**September 7, 2001**

Date

PATENT

REEL: 012172 FRAME: 0383

**ASSIGNMENT**

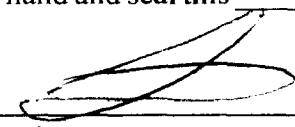
WHEREAS, **Charles Carpenter**, of 713 Lake Highland Drive, Orlando, FL 32803, hereinafter referred to as Assignor, has made certain improvements or inventions in **SYSTEM AND METHOD FOR ARRAY PROCESSING OF SURFACE ACOUSTIC WAVE DEVICES**, for which Assignor has executed an application for United States Letters Patent filed on May 24, 2001, in the United States Patent and Trademark Office and given Serial No. 09/864,918; and

WHEREAS, **SAWTEK INC.**, a Florida corporation, hereinafter referred to as Assignee, is desirous of acquiring the same,

NOW THEREFORE, for and in consideration of One Dollar (\$1.00) lawful money of the United States, and other good and valuable consideration, receipt whereof is hereby acknowledged, the Assignor does hereby sell, assign and transfer to the Assignee, its successors and assigns, all right, title and interest in and to the United States Patent application, the invention or inventions therein shown and described and any improvements on the inventions heretofore or hereafter made, any divisions or continuations of the application, and all patents, United States and foreign, to be granted upon any such application or for the invention or inventions thereof, and any reissues, continuations or extensions of the patents; and the Assignor does hereby authorize and request the Commissioner of Patents to issue all patents on the United States Patent applications or for the invention or inventions hereof, in accordance with this assignment.

And the Assignor for the consideration hereby covenants and agrees that the Assignor is the owner of the full title herein conveyed and has the right to convey the same, and agrees that the Assignor will communicate to the Assignee any facts known to the Assignor respecting the invention or inventions, and testify in any legal proceedings when called upon by the Assignee, sign all lawful papers deemed by the Assignee as expedient to vest in it the legal title herein sought to be conveyed or for the filing and prosecution of all applications and patents, United States and foreign, and otherwise aid the Assignee, its successors and assigns, in obtaining full patent protection on the invention and enforcing proper protection under the patents, but in every instance at the Assignee's expense.

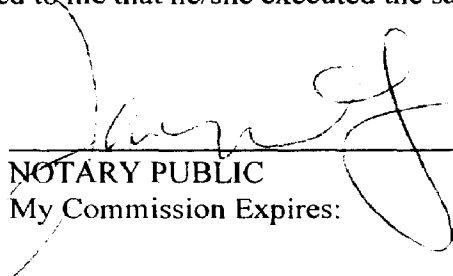
IN WITNESS WHEREOF, I have hereunto set my hand and seal this 21<sup>st</sup> day of August, 2001.



CHARLES CARPENTER

STATE OF FLORIDA  
COUNTY OF Orange

On this 21<sup>st</sup> day of August, 2001, before me personally appeared **Charles Carpenter**, who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

  
NOTARY PUBLIC  
My Commission Expires:

