

04-04-2001



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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

U.S. Government
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Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached Execution Date
Month Day Year

Name (line 1) David Alan Baldwin 03 09 01

Name (line 2)

Second Party

Name (line 1) Todd Lanier Hylton 03 09 01

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) 4 Wave, Inc. If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1) 828 North Henry Street

Address (line 2)

Address (line 3) Alexandria VA/USA 22314
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Daniel H. Golub

Address (line 1) 1701 Market Street

Address (line 2) Philadelphia, PA 19103

Address (line 3)

Address (line 4)

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03/21/2001 NPRASASD 00000030 09810809

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Correspondent Name and Address Area Code and Telephone Number **215-963-5055**

Name **Daniel H. Golub**

Address (line 1) **1701 Market Street**

Address (line 2) **Philadelphia, PA 19103**

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. # **2**

Application Number(s) or Patent Number(s) Mark if additional numbers attached

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Patent Application Number(s)			Patent Number(s)		
09810809					

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 **03** Day **09** Year **01**

Patent Cooperation Treaty (PCT)

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

PCT PCT PCT

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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 Deposit Account

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

Deposit Account Number: # **50-0310**

Authorization to charge additional fees: Yes No

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.

Daniel H. Golub **DHG** **03/16/01**

Name of Person Signing Signature Date

ASSIGNMENT

WHEREAS, we, the undersigned inventors, whose post office addresses are set forth below, have invented and own a certain invention entitled:

System and Method for Performing Sputter Deposition Using a Spherical Geometry

for which an application for Letters Patent of the United States has been executed on even date herewith; and

WHEREAS, 4Wave, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a place of business at 828 North Henry Street, Alexandria, VA 22314 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, we hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

WE HEREBY COVENANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER COVENANT that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, we have hereunto set hand and seal this 9th day of March, 2001.

Signature: *David A. Baldwin*
Name Printed: David Alan Baldwin
Post Office Address: 4803 Autumn Lake Way
Annadale, VA 22003
Citizenship: USA

District
STATE OF Columbia)
) ss.
COUNTY OF)

BE IT KNOWN, that on this 9th day of March, 2001, before me personally came David Alan Baldwin, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lorna Sueker Jackson
Notary Public **My Commission Expires December 14, 2005**

Signature: *Todd L. Hylton*
Name Printed: Todd Lanier Hylton
Post Office Address: 705 Crown Meadow Drive
Great Falls, VA 22066
Citizenship: USA

District
STATE OF Columbia)
) ss.
COUNTY OF)

BE IT KNOWN, that on this 9th day of March, 2001, before me personally came Todd Lanier Hylton, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Lorna Sueker Jackson
Notary Public **My Commission Expires December 14, 2005**