

08-25-2006



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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Teng-Chao Tao and
Philip J. Ring

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

2. Name and address of receiving party(ies)

Name: AXCELIS TECHNOLOGIES, INC.

Internal Address: _____

Street Address: 108 Cherry Hill Drive

City: Beverly

State: MA

Country: USA Zip: 01915-1053

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 16 August 2006 & 14 August 2006

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Stephen J. Schultz, Esq.

Internal Address: WATTS HOFFMANN CO., LPA

Street Address: 1100 Superior Avenue - Suite 1750

City: Cleveland

State: Ohio Zip: 44114-2544

Phone Number: 216/241-6700

Fax Number: 216/241-8151

Email Address: _____

6. Total number of applications and patents involved: ONE

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Stephen Schultz
Signature

18 August 2006

Date

08/24/2006 DBYRNE 00000097 11506998

Stephen J. Schultz

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

-3-

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

IN CONSIDERATION of One Dollar and other good and valuable consideration, receipt of which is hereby acknowledged, we, Teng-Chao Tao and Philip J. Ring, citizens of the United States of America residing at 6A Charlotte Road, Saugus, MA 01906 U.S.A., and 23 Davis Road, Beverly MA 01915, U.S.A., respectively, do hereby sell, transfer, set over and assign unto AXCELIS TECHNOLOGIES, INC., a Delaware corporation with a principal place of business at 108 Cherry Hill Drive, Beverly, MA 01915-1053, its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the invention entitled **DEPOSITION REDUCTION SYSTEM FOR AN ION IMPLANTER**, invented by us and the application for United States patent therefor, executed concurrently herewith, and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents in foreign countries to the United States, and in and to any Letters Patent which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent to the said AXCELIS TECHNOLOGIES, INC., its successors, assigns, nominees, or other legal representatives, as assignee and owner of the said entire interest, and covenant that we have full right to convey said entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said AXCELIS TECHNOLOGIES, INC., its successors, assigns, nominees or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, execute and deliver all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said AXCELIS TECHNOLOGIES, INC., its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, we will upon request, sign and deliver all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request do everything legally possible to aid said AXCELIS TECHNOLOGIES, INC., its successors, assigns, nominees or other legal representatives, either in its or our own name, to apply for, obtain and enforce proper patent protection in all countries, including priority rights granted to patents in foreign countries according to all the laws and treaties in force, all without

further consideration but at the expense of said AXCELIS TECHNOLOGIES, INC., its successors, assigns, nominees or other legal representatives.


Date: 8-16-06



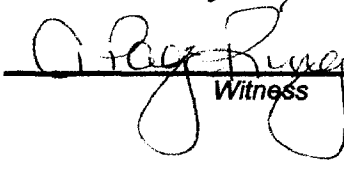
Teng-Chao Tao

Witness

Date: AUGUST 14, 2006



Philip J. Ring



Witness