

09-25-2006



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To the Director of the U.S. Patent and Trademark Office, please forward the enclosed documents or the new address(es) below.

9.19.06

1. Name of conveying party(ies)
Yongzhang Huang
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Axcelis Technologies, Inc.
Internal Address: _____

3. Nature of conveyance/Execution Date(s):
Execution Date(s) September 18, 2006
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

Street Address: 108 Cherry Hill Drive
City: Beverly
State: Massachusetts
Country: United States Zip: 01915-1053
Additional name(s) & address(es) attached? Yes No

113010 U.S. PTO
11/523144

091906

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s) 09/20/2006 BABRAHA1 00000066 11523144
(40.00 OF)
Additional numbers attached? Yes No

B. Patent No.(s) _____

09/20/2006
05 FC:802

5. Name and address to whom correspondence concerning document should be mailed:
Name: Thomas G. Eschweiler
Internal Address: _____
Street Address: National City Bank Building
629 Euclid Avenue, Suite 1000
City: Cleveland
State: Ohio Zip: 44114
Phone Number: (216) 502-0600
Fax Number: (216) 502-0601
Email Address: _____

6. Total number of applications and patents involved: 1
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: Thomas G. Eschweiler Signature Date September 19, 2006
Thomas G. Eschweiler, Registration No. 36,981
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

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Yongzhang Huang
5 Ricker Circle
Hamilton, Massachusetts 01982

NOW, THEREFORE, for and in consideration of my employment and the salary or wages paid to me by Axcelis Technologies, Inc., I, Yongzhang Huang by these present do sell, assign, and transfer unto said Axcelis Technologies, Inc., a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 108 Cherry Hill Drive, Beverly, Massachusetts 01915-1053, is desirous of acquiring an interest therein, its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

**BEAM TUNING WITH AUTOMATIC MAGNET
POLE ROTATION FOR ION IMPLANTERS**

for which application for United States Letters Patent has been filed on _____ under Serial No. _____, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all

documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

Signed:

Date:

Yongzhang Huang
Yongzhang Huang

9/18/06

Witness:

Date:

Wandy Malagri

9/18/06