

05-18-2006

ET

EATNP203US



To the Director of the U.S. Patent & Trademark Office

103240293

documents or the new address(es) below.

1. Name of conveying party(ies)

Joseph Ferrara
Patrick R. Splinter
Michael A. Graf
Victor M. Benveniste

2. Name and address of receiving party(ies)

Name: Axcelis Technologies, Inc.

Internal Address: _____

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

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

Execution Date(s) May 2, May 2, May 11 & May 5, 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

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)

05/16/2006 HLE333 00000016 11432977

04 FC:8021 40.00 DP

Additional numbers attached? Yes No

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 1210

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:

Signature

5/12/06
Date

Thomas G. Eschweiler, Registration No. 36,981

Name of Person Signing

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

4

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

MRD 57202

103240293 U.S. PTO
11/432977



051206

ASSIGNMENT

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

Joseph Ferrara
10 Long View Way
Georgetown, Massachusetts 01833

Patrick R. Splinter
14 Campbell Road
Middleton, Massachusetts 01949

Michael A. Graf
24 Bellevue Road
Belmont, Massachusetts 02478

Victor M. Benveniste
8 Harbor Heights
Gloucester, Massachusetts 01930

NOW, THEREFORE, for and in consideration of our employment and the salary or wages paid to us by Axcelis Technologies, Inc., we, Joseph Ferrara, Patrick R. Splinter, Michael A. Graf and Victor M. Benveniste 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

RIBBON BEAM ION IMPLANTER CLUSTER TOOL

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:

Joseph Ferrara
Joseph Ferrara

5/2/06

Witness:

Date:

Wendy A. Melanconi

5/2/06

Signed:

Date:

Patrick R. Splinter
Patrick R. Splinter

5/2/06

Witness:

Date:

Wendy A. Melanconi

5/2/06

Signed:

Date:

Michael A. Graf
Michael A. Graf

5/11/06

Witness:

Date:

Wendy A. Melanconi

5/11/06

Signed:

Date:

Victor M. Benveniste
Victor M. Benveniste

Witness:

Date:

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:

Joseph Ferrara

Witness:

Date:

Signed:

Date:

Patrick R. Splinter

Witness:

Date:

Signed:

Date:

Michael A. Graf

Witness:

Date:

Signed:

Date:



Victor M. Benveniste

5/25/06

Witness:

Date: