

07-24-2002



Form PTO-1595 (Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002)

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Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Gregory A. Roche
Leonard J. Mahoney
Daniel C. Carter
Steven J. Roberts

7.12.02

2. Name and address of receiving party(ies)

Advanced Energy Industries, Inc

Name: _____

Internal Address: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 1625 Sharp Point Dr.

City: Fort Collins State: CO Zip: 80525

Execution Date: July 10, 2002

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

4. Application number(s) or patent number(s):

10/194526

If this document is being filed together with a new application, the execution date of the application is: 7/10/2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Benjamin Hudson, Jr.

Internal Address: _____

Street Address: Advanced Energy Industries

1625 Sharp Point Dr.

City: Fort Collins State: CO Zip: 80525

6. Total number of applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 501539

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Benjamin Hudson, Jr.
Name of Person Signing

Benjamin Hudson, Jr.
Signature

7/10/2002
Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

U.S. PTO
10/194526
07/12/02

PATENT
REEL: 013102 FRAME: 0550

ASSIGNMENT

WHEREAS, We, Gregory A. Roche of 811 Hilldale Dr., Fort Collins, CO 80526, Leonard J. Mahoney of 3831 Arctic Fox Dr., Fort Collins, CO 80525, Daniel C. Carter of 1436 Silk Oak Dr., Fort Collins, CO 80525, and Steven J. Roberts of 302 Charles Ave., Severance, CO 80546 have invented a certain new and useful "Wafer Probe For Measuring Plasma And Surface Characteristics In Plasma Processing Environments", described in an application for Letters Patent of the United States.

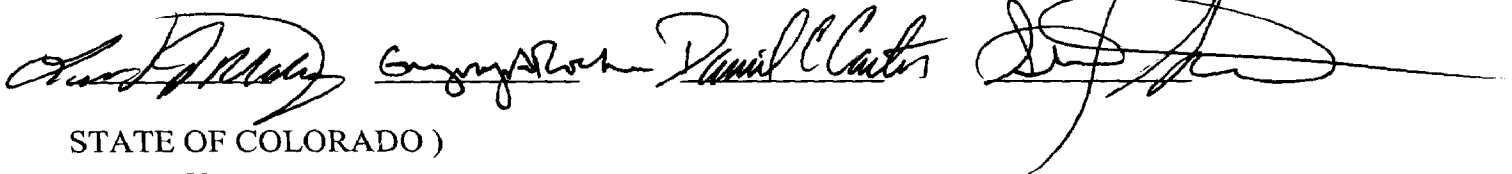
WHEREAS, Advanced Energy Industries Inc., of 1625 Sharp Point Dr., Fort Collins, CO 80525 a Delaware Corporation fully organized and existing under the laws of the State of Delaware is desirous of acquiring the entire right, title and interest therein and thereto;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) and certain other good and valuable consideration to us in hand paid, the receipt of which is hereby acknowledged, we, the said Inventors, Gregory A. Roche, Leonard J. Mahoney, Daniel C. Carter, and Steven J. Roberts by these presents do sell, assign and transfer unto the said Advanced Energy Industries Inc, its successors, legal representatives and assigns, our entire right, title and interest in and to the said invention and the aforesaid patent application, for the territory of the United States of America and for all foreign countries and to all Letters Patent, divisionals, renewals, continuations, reissues, and extensions to be obtained therefore; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent, but at the expense of said assignee.

We do further agree to execute all applications for patent, assignments and other appropriate documents and to perform all acts and to do all things necessary to make this Agreement effective and to perfect all right, title and interest in and to said discoveries, improvements or inventions in Advanced Energy Industries, Inc. The Commissioner of Patents is hereby authorized and requested to issue the letters Patent solely in accordance with the terms of this Assignment to Advanced Energy Industries, Inc., its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals on the date set forth hereinafter.

Leonard J. Mahoney Gregory A. Roche Daniel C. Carter Steven J. Roberts



STATE OF COLORADO)
ss.
COUNTY OF LARIMER)

Before me, a Notary Public in and for the said County and State, personally appeared Leonard J. Mahoney, Gregory A. Roche, Daniel C. Carter, and Steven J. Roberts known to be the persons whose names are subscribed to the foregoing

instrument, and acknowledged to me that they executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 10 day of July, 2002


Notary Public

My Commission expires: March 12, 2005

