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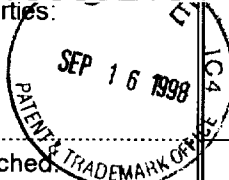
T -- PATENTS ONLY

or copy(ies) thereof

100832184

Name(s) of CONVEYING Party or Parties:  
Fourth State Technology, Inc.

Name(s), Address(es) of RECEIVING Party (Parties):  
ADVANCED ENERGY INDUSTRIES, INC.  
1625 Sharp Point Drive  
Fort Collins, Colorado 80525



Enter "X" if additional names are attached

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DOCUMENT EXECUTION DATE(S): September 3, 1998

NATURE OF CONVEYANCE:

Assignment

Merger

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Change of Name

Other: \_\_\_\_\_

If document is being filed with a new application, EXECUTION DATE(S) OF DECLARATION: \_\_\_\_\_

Patent Application Number(s):

Patent Number(s):

5,576,629

Enter "X" if additional application numbers or patent numbers are attached.

Mail correspondence concerning this document to:

Nathaniel A. Humphries  
Thelen Reid & Priest LLP  
701 Pennsylvania Avenue NW Suite 800  
Washington, D.C. 20004

Number of Applications/Patents Involved: 1

Total fee (37 CFR § 1.21(h)): \$ 40.00

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Name of Person Signing

16667

*Nathaniel A. Humphries*

Signature

15 Sept 98

Date

Attorney Docket No. SF 16861-2

Total number of pages submitted (including cover sheet): 2

Commissioner of Patents and Trademarks, BOX ASSIGNMENTS, Washington, D.C. 20231

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MRD 9-16-98

**PATENT ASSIGNMENT**

WHEREAS, Fourth State Technology, Inc., a Texas corporation with a principal place of business at 2120 West Braker Lane, Austin, Texas 78758 (hereinafter "Fourth State"), is the owner of United States Patent No. 5,576,629 issued November 19, 1996 for PLASMA MONITORING AND CONTROL METHOD AND SYSTEM (hereinafter "Said Patent"); and

WHEREAS, Advanced Energy Industries, Inc., a corporation organized and existing under the laws of the State of Delaware having its principal place of business at 1625 Sharp Point Drive, Fort Collins, Colorado 80525 (hereinafter "Advanced Energy"), is desirous of acquiring all right, title and interest in Said Patent;

NOW THEREFORE, for \$1.00 and other good and valuable consideration, receipt and sufficiency of which is hereby acknowledged, Fourth State does hereby assign unto Advanced Energy all right, title, and interest in and to Said Patent, together with the right to recover for all damages and profits for past infringements thereof, if any.

IN WITNESS WHEREOF, Fourth State has caused this Assignment to be executed as of the 3rd day of September, 1998.

FOURTH STATE TECHNOLOGY, INC.

By: Terry R. Turner  
Name: Terry R. Turner  
Title: President

STATE OF TEXAS            )  
  : SS.  
COUNTY OF TRAVIS        )

Subscribed and sworn to before me this 3rd day of September, 1998.

Heather Pelczar  
Notary Public

My commission expires:  
7/14/2001

