



08-22-2001



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Atty. Dkt. No. 5521-02700

To the Honorable Commissioner of Patents and Trademarks. Please

101819859

1. Name of conveying party(ies):

E. I. Du Pont De Nemours and Company

8-16-01

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

2. Name and address of receiving party(ies):

Name: Pavilion Technologies, Inc.

Internal Address: \_\_\_\_\_

Street Address: 11100 Metric Boulevard, Ste. 700

City: Austin State: TX ZIP 78758

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: August 2, 2001

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

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

A. Patent Application No.(s) 09/175,317

B. Patent No.(s) 5,282,261; 5,167,009; 5,224,203; 5,408,586; 5,212,765; 5,121,467; 5,142,612; 5,197,114; 5,826,249; 5,640,493; 5,006,992; 4,884,217; 5,058,043; 4,920,499; 4,910,691; 4,907,167; 4,965,742

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kevin L. Daffer

Internal Address: Conley, Rose & Tayon, P.C.

Street Address: P.O. Box 398

City Austin State TX ZIP 78767-0398

6. Total number of applications and patents involved: 18

7. Total fee (37 CFR 3.41): .....\$ 720.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 50-1505/5521-00100

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

08/21/2001 RAHME1 00000089 501505 09175317

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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.

Kevin L. Daffer

Name of Person Signing  
Reg. No. 34,146

Signature

August 14, 2001

Date

Total number of pages comprising cover sheet: 4

## ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, E. I. Du Pont De Nemours and Company (the "Assignor"), a Delaware corporation having a place of business at 1007 Market Street, Wilmington, Delaware 19898, does hereby, *nunc pro tunc*, effective as of June 17, 2001:

SELL, ASSIGN AND TRANSFER to Pavilion Technologies, Inc. (the "Assignee"), having a place of business at 11100 Metric Boulevard, #700, Austin, Texas 78758, conditioned on full payment of the full purchase price specified in Section 1.6 of the Assignment Agreement between Assignor and Assignee, and subject to the terms and conditions of the 17 December 1999 License Agreement between Assignor and Assignee, the entire right, title and interest for the United States and all foreign countries, in and to the patents and patent applications identified in Schedule A attached hereto (the "Patents"), and in and to any and all improvements which are disclosed in the Patents, along with all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based upon (a) the patent application identified in Schedule A, (b) the patent applications that matured into the Patents identified in Schedule A, and (c) all divisional, continuing, substitute, renewal, reissue and all other applications from patent applications or patents referenced in subparagraphs (a) and (b).

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor, and that the full right to convey the same as herein expressed is possessed by the Assignor;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the Assignor will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the Assignor relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee; and

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the Assignor and extend to the successors, assigns and nominees of the Assignee.

TO BE BINDING on the heirs, assigns, representatives and successors of the Assignor and extend to the successors, assigns and nominees of the Assignee.

**ASSIGNOR**

E. I. DU PONT DE NEMOURS AND COMPANY

Date: August 2, 2001 By: Alanson G. Bowen, Jr.  
NAME: Alanson G. Bowen, Jr.  
TITLE: Asst. Sec., Patent Board

STATE OF DELAWARE §  
COUNTY OF New Castle §

BEFORE ME, the undersigned Notary Public, on this day personally appeared Alanson G. Bowen, Jr., known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Assignor, a Delaware corporation, and that he/she has executed same as the act of such corporation for the purposes and considerations therein expressed, and in the capacity therein stated.

GIVEN under my hand and seal of office, this 2nd day of August, 2001.

**BARBARA J. MASSIE**  
**NOTARY PUBLIC**  
**STATE OF DELAWARE**

Barbara J. Massie  
Notary Public in and for the State of Delaware

**ASSIGNEE**

My Commission Expires June 27, 2003

PAVILION TECHNOLOGIES, INC.

Date: August 7, 2001 By: E. S. Hurley  
NAME: ERIC S. HURLEY  
TITLE: V.P., Intellectual Property

STATE OF TEXAS §  
COUNTY OF TRAVIS §

BEFORE ME, the undersigned Notary Public, on this day personally appeared Eric Hurley, known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said ASSIGNEE, a TEXAS corporation, and that he/she has executed same as the act of such corporation for the purposes and considerations therein expressed, and in the capacity therein stated.

GIVEN under my hand and seal of office, this 8th day of August, 2001.

Martha Benson  
Notary Public in and for the State of Texas

**Schedule A**  
**PATENTS**

	Title	Patent Numbers	Country	Filing Date
1	Neural network process measurement and control	5,282,261	USA	August 3, 1990
2	On-line process control neural network using data pointers	5,167,009	USA	August 3, 1990
3	On-line process control neural network using data pointers	5,224,203	USA	July 22, 1992
4	Historical database training method for neural networks	5,408,586	USA	April 2, 1993
5	On-line training neural network system for process control	5,212,765	USA	August 3, 1990
6	Neural network/ expert system process control system and method	5,121,467	USA	August 3, 1990
7	Computer neural network supervisory process control system and method	5,142,612	USA	August 3, 1990
8	Computer neural network regulatory process control system and method	5,197,114	USA	August 3, 1990
9	Historical database training method for neural networks	5,826,249	USA	June 6, 1997
10	Historical database training method for neural networks	5,640,493	USA	April 17, 1995
11	On-line training neural network for process control	Filing number 09/175317	USA	October 20, 1998
12	Process control system with reconfigurable expert rules and control modules	5,006,992	USA	September 30, 1987
13	Expert system with three classes of rules	4,884,217	USA	September 30, 1987
14	Batch process control using expert systems	5,058,043	USA	April 5, 1989
15	Expert system with natural-language rule updating	4,920,499	USA	September 30, 1987
16	Process control system with multiple module sequence options	4,910,691	USA	September 30, 1987
17	Process control system with action logging	4,907,167	USA	September 30, 1987
18	Process control system with on-line reconfigurable modules	4,965,742	USA	September 30, 1987