FORM PTO-1594
COMMERCE
(Rev. 07/05)
OMB No. 0651-0027 (exp. 06/30/2008)

03-04-2008

U.S. DEPARTMENT OF

United States Patent and Trademark Office

||||||||||||||||||||
103486219

To the Director of the U.S. Patent an | documents or the new address (es) below.

1. Name of conveying party(ies):
SILICON VALLEY BANK

3-3-08

f receiving party(ies):
nveying parties attached? ☐ Yes ☒ No

Name: **Pavilion Technologies, Inc.**

Internal Address

Street Address: **10415 Morado Circle Building III Ste 100**

☐ Individual(s)   ☐ Association
☐ General Partnership   ☐ Limited Partnership

☒ Corporation-State
☐ Other

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

City: **Austin**
State: **TX**
Country: **USA**
Zip: **78759**

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

Execution Date(s): **February 20, 2008**

☐ Assignment   ☐ Merger

☐ Security Agreement   ☐ Change of Name

☒ Other : **Release**

☐ Association   Citizenship
☐ General Partnership   Citizenship
☐ Limited Partnership   Citizenship
☒ Corporation   Citizenship
☐ Other   Citizenship

If assignee is not domiciled in the United States, a domestic representative designation is attached: ☐ Yes ☒ No
(Designations must be a separate document from assignment)

4. Application number(s) or registration number(s) and identification or description of the Trademark:

A. Trademark Application No.(s)
78514888

B. Trademark Registration No.(s)

1949520	2212218	2863416	2810646	3154989
2039892	2146200	2957763	3094023	
2204891	2386329	2853329	3139962	
2273132	2412060	3016727	3096554	

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

Additional sheets attached? ☐ Yes ☒ No

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

Name: **Silicon Valley Bank**

Internal Address: **HF154**

Street Address: **3003 Tasman Drive**

City: **Santa Clara**   State: **CA**   ZIP: **95054**

Phone Number: **(408) 919-0310**

Fax Number: **(408) 654-6313**

Email Address: **svaldivia@svb.com**

6. Total number of applications and registrations involved: 18

7. Total fee (37 CFR 2.6 (b)(6) & 3.41):   **$ 465.00**
☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed

8. Payment Information:

a. Credit Card   Last 4 Numbers
03/04/2008 MJMM1   00000018 78514888
Expiration Date   40.00 OP
01 FC:8521   425.00 OP
02 FC:8522

b. Deposit Account Number
Authorized User Name

9. Signature. _____
Signature

Susana Valdivia
Name of Person Signing

February 20, 2008
Date

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

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. VA 22313-1450
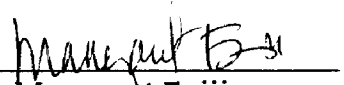
**TRADEMARK
REEL: 003732 FRAME: 0722**

RELEASE OF SECURITY AGREEMENT COVERING
INTERESTS IN TRADEMARKS

Silicon Valley Bank ("Secured Party"), hereby releases its security interest in the interests of **Pavilion Technologies, Inc.** ("Assignor") in the trademarked works set forth in that certain **Intellectual Property And Security Agreement** dated November 2, 2005, executed by Assignor in favor of Secured Party recorded with the United States Department of Commerce, Patent and Trademark Office on November 28, 2005, Reel 3262, Frame 0882.

Date: **February 20, 2008**

SILICON VALLEY BANK

By: _____
Name: Margaret Fujii
Title: Operations Supervisor

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement")dated as of November 2, 2005 (as defined in the Loan Agreement) is between SILICON VALLEY BANK ("Bank") and PAVILION TECHNOLOGIES, INC., a Texas corporation ("Grantor").

RECITALS

A.   Bank has made advances to Grantor ("Loans") as described in that certain Loan and Security Agreement dated as of December 17, 2004 (as the same may from time to time be further amended, modified, supplemented or restated, the "Loan Agreement"). Capitalized terms not otherwise defined herein shall the meaning set forth in the Loan Agreement.

B.   Borrower has requested that Bank amend the Loan Agreement, and Bank as agreed, subject to, among other things, Grantor's granting to Bank a security interest in Grantor's Copyrights, Trademarks, Patents, and Mask Works and other intellectual property (the "Intellectual Property Collateral").

C.   Grantor has granted Bank a security interest in all of its right, title and interest, presently existing or later acquired to all the Collateral.

AGREEMENT

Grantor grants Bank a security interest in all of its right, title and interest in its Intellectual Property Collateral (such as the Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C and D), and all proceeds (such as license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements rights throughout the world and all reissues, divisions, continuations, renewals, extensions and continuations-in-part.

This security interest is granted in conjunction with the security interest granted under the Loan Agreement. Bank's rights and remedies in the security interest are in addition to those in the Loan Agreement and the other Loan Documents, and those available in law or equity. Bank's rights powers and interests are cumulative with every right, power or remedy provided here. Bank's exercise of its rights, powers or remedies in this Agreement, the Loan Agreement or any other Loan Document, does not preclude the simultaneous or later exercise of any or all other right, power or remedy.
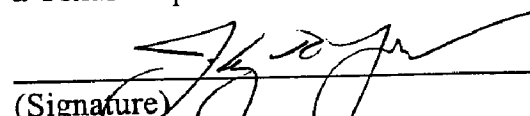
BANK:

SILICON VALLEY BANK

_____
(Signature)

Vice President
(Title)

GRANTOR:

PAVILION TECHNOLOGIES, INC.,
a Texas corporation

_____
(Signature)

Vice President ; CFO
(Title)

EXHIBIT A

Copyrights

Description	Registration/Application Number	Registration/Application Date

EXHIBIT B

Patents

Description	Registration/Application Number	Registration/Application Date

PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
AUS	65155/94	11/19/1993	674,227	10/24/96	11/19/13	Method and Apparatus for Operating Neural Network with Missing and/or Incomplete Data
AUS	74776/94	7/27/1994	677,694	08/21/97	07/27/14	Virtual Continuous Emission Monitoring System with Sensor Validation
AUS	688353	7/27/1994	688,353	07/02/98	07/27/14	Virtual Emissions Monitor for Automobile
AUS	1997-731321 B2	5/5/1997	733,463	08/30/01		Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction, Control and Optimization
CA	2,254,733	5/5/1997	2,254,733	2/19/2002		Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction, Control and Optimization
CA	2,066,279	7/25/1991	N/A	N/A	N/A	On-Line Process Control Neural Network Using Data Pointers
DE	94 907888.5	1/25/1994	69423876.7	04/05/00	01/25/14	Predictive Network with Learned Preprocessing Parameters
DE	94924530.1	7/26/1994	69423895.3		07/27/14	Virtual Continuous Monitoring System with Sensor Validation
DE	69 427524.7-08	1/25/1994	94909493.2	06/20/01	01/25/14	Method and Apparatus for Preprocessing Input Data to a Neural Network
DE	94 903278.3	11/19/1993	69332980.7-08	5/14/2003	11/19/13	Method and Apparatus for Operating a Neural Network with Missing and/or Incomplete Data

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
DE	94922772.2	7/27/1994	69418199.4-08	04/28/99	07/27/14	Virtual Emissions Monitor for Automobile
DE	97 926598.0	05/05/97	897560 B1	12/18/2002	05/05/17	Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction< Control, and Optimization
EPO	94 909493.2	1/25/1994	0680637	06/20/01	01/25/14	Method and Apparatus for Preprocessing Input Data to a Neural Network
EPO	94 9078888.5	1/25/1994	0680639	04/05/00	01/25/14	Predictive Network with Learned Preprocessing Parameters
EPO	94922774.2	7/27/1994	0712463	04/28/99	07/27/14	Virtual Emissions Monitor for Automobile
EPO	94924533.1	7/27/1994	0712509	04/05/00	07/27/14	Virtual Continuous Monitoring System with Sensor Validation
EPO	1926681.6	11/05/02				System and Method for Enterprise Modeling, Optimization and Control
EPO	2761503.8	03/18/04				System and Method for Real-Time Economic Optimization
FR	94 909493.2	1/25/1994	0680637	06/20/01	01/25/14	Method and Apparatus for Preprocessing Input Data to a Neural Network
FR	94 907888.5	1/25/1994	0680639	04/05/00	01/25/14	Predictive Network with Learned Preprocessing Parameters
FR	94924531.1	7/27/1994	0712509	04/05/00		Virtual Continuous Monitoring System with Sensor Validation
FR	94 903278.3	11/19/1993	69332980.7-08	5/14/2003	11/19/13	Method and Apparatus for Operating a Neural Network with Missing and/or Incomplete Data

TRADEMARK
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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE EXPIRATION DATE		TITLE
FR	97 926598.0	05/05/97	897560 B1	12/18/2002	05/05/17	Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction< Control, and Optimization
GB	94 903278.3	11/19/1993	0671038	5/14/2003	11/19/13	Method and Apparatus for Operating a Neural Network with Missing and/or Incomplete Data
GB	94 909493.2	1/25/1994	0680637	06/20/01	01/25/14	Method and Apparatus for Preprocessing Input Data to a Neural Network
GB	94 9078888.5	1/25/1994	0680639	04/05/00	01/25/14	Predictive Network with Learned Preprocessing Parameters
GB	94922772.2	7/27/1994	0712463	04/28/99	07/27/14	Virtual Emissions Monitor for Automobile
GB	94924532.1	7/27/1994	0712509	04/05/00	07/27/14	Virtual Continuous Monitoring System with Sensor Validation
GB	97 926598.0	05/05/97	897560 B1	12/18/2002	05/05/17	Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction< Control, and Optimization
GB	97 926598.0	05/05/97	897560 B1	12/18/2002	05/05/17	Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction< Control, and Optimization
PCT	US01/11214	04/05/01				System and Method for Enterprise Modeling, Optimization and Control
SE	94 909493.2	1/25/1994	0680637	06/20/01	01/25/14	Method and Apparatus for Preprocessing Input Data to a Neural Network
SE	94922773.2	7/24/1994	0712463	04/28/99	07/27/14	Virtual Emissions Monitor for Automobile
US	07/896,755	6/10/1992	5,353,207	10/04/94	10/03/11	Residual Activation Neural Network

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
US	08/102,405	8/5/1993	5,386,373	01/31/95	01/31/12	Virtual Continuous Emission Monitoring System with Sensor Validation
US	08/008,218	1/25/1993	5,479,573	12/26/95	12/26/12	Predictive Network With Learned Preprocessing Parameters
US	08/149,216	11/5/1993	5,539,638	07/23/96	07/23/16	Virtual Emissions Monitor for Automobile
US	08/380,062	1/30/1995	5,548,528	08/20/96	08/20/13	Virtual Continuous Emission Monitoring System
US	08/307,521	9/16/1994	5,559,690	09/24/96	09/24/13	Residual Activation Neural Network
US	07/531,100	11/24/1992	5,613,041	03/18/97	09/20/15	Method and Apparatus for Operating Neural Network with Missing and/or Incomplete Data
US	08/685,072	7/23/1996	5,682,317	10/28/97	11/05/13	Virtual Emissions Monitor for Automobile and Associated Control System
US	08/008,170	1/25/1993	5,729,661	03/17/98	11/24/12	Method and Apparatus for Preprocessing Input Data to a Neural Network
US	08/450,086	5/25/1995	5,768,475	06/16/98	06/16/15	Method and Apparatus for Automatically Constructing a Data Flow Architecture

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
US	08/759,539	12/4/1996	5,781,432	07/14/98	03/02/13	Method and Apparatus for Analyzing a Neural Network within Desired Operating Parameter Constraints
US	08/742,377	10/1/1996	5,819,006	10/06/98	11/24/12	Method for Operating a Neural Network with Missing and/or Incomplete Data
US	08/656,703	6/3/1996	5,825,646	10/20/98	03/02/13	Method and Apparatus for Determining the Sensitivity of Inputs to a Neural Network on Output Parameters
US	08/936,679	9/27/1997	5,842,189	11/24/98	11/24/12	Method for Operating a Neural Network with Missing and/or Incomplete Data
US	08/717,719	9/23/1996	5,859,773	01/12/99	06/10/12	Residual Activation Neural Network
US	08/643,464	5/6/1996	5,933,345	08/03/99	05/06/16	Method and Apparatus for Dynamic and Steady State Modeling Over Desired Path Between Two End Points
US	09/015,984	1/30/1998	5,950,182	09/07/99	05/25/15	Method and Apparatus for Automatically Constructing a Data Flow Architecture
US	08/576,581 08/915,850	12/22/95 08/21/97	6,002,839	12/14/99	09/20/15	Predictive Network with Graphically Determined Preprocess Transforms

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
US	08/943,489	10/3/1997	6,047,221	04/04/00	05/06/16	Method for Steady-State Identification Based upon Identified Dynamics
US	09/330,326	6/11/1999	6,144,952	11/07/00	11/24/12	Predictive Network with Learned Preprocessing Parameters
US	09/167,400	10/6/1998	6,169,980	01/02/01	11/24/12	Method for Operating a Neural Network with Missing and/or Incomplete Data
US	09/174,860	10/19/1998	6,216,048	04/10/01	03/02/13	Method and Apparatus for Determining the Sensitivity of Inputs to a Neural Network on Output Parameters
US	09/047,853	3/24/1998	6,243,696	06/05/01	11/24/12	Automated Method for Building a Model
US	09/167,504	10/6/1998	6,278,899	08/21/01	05/06/16	A Method for On-Line Optimization of a Control System.
US	09/207,719	12/08/98	6,314,414	11/06/01	11/24/12	Method for Operating a Neural Network on Missing and/or Incomplete Data
US	09/228,962	01/12/99	6,363,289	03/26/02	06/10/12	Residual Activation Neural Network
US	09/224,648	12/31/98	6,381,504	04/30/02	05/06/16	A Method for Optimizing a Plant with Multiple Inputs
US	09/568,190	05/09/00	6,438,430	8/20/2002	05/06/16	Kiln Thermal and Combustion Control
US	09/250,432	02/16/99	6,487,459	11/26/2002	05/06/16	Method and Apparatus for Modeling Dynamic and Steady State Processes for Prediction Control, and Optimization

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
ISSUED PATENTS

FILING OFFICE	APPLICATION NO	FILE DATE	PATENT NO	ISSUE DATE	EXPIRATION DATE	TITLE
US	09/514,733	02/28/00	6,493,596	12/10/02	05/06/16	Method and Apparatus for Controlling a Non-Linear Mill
US	10/040,085	11/06/01	6,591,254	7/8/2003	11/24/12	Method for Operating a Neural Network with Missing and/or Incomplete Data
US	10/218,970	08/14/02	6,625,501	9/23/2003	05/09/20	Kiln Thermal and Combustion Control
US	09/676,043	9/28/2000	6,678,585	1/13/2004	09/28/20	Method and Apparatus for Maximizing Power Usage in a Power Plant
US	09/290,791	04/12/99	6,725,208	04/20/04	10/06/18	Bayesian Neural Network for Optimization
US	10/314,675	12/09/02	6,735,483	5/11/2004	05/06/16	Method and Apparatus for Controlling a Non-Linear Mill
US	10/302,923	11/22/02	6,738,677	5/18/2004	05/06/16	Systematic Process Modeling and Identification for Prediction, Control and Optimization
US	10/098,179	03/14/02	6,839,599	1/4/2005	11/9/2022	Kiln/Cooler Control and Upset Recovery Using a Combination of Model Predictive Control and Expert Systems
US	09/874,591	6/5/2001	6,879,971	4/12/2005	7/8/2016	Automated Method for Building a Model
US	09/827,838	04/05/01	6,934,931	8/23/2005	4/5/2021	System and Method for Enterprise Modeling, Optimization and Control
US	10/051,266	01/18/02	6,941,301	9/6/2005	1/18/2022	Pre-Processing Input Data With Outlier Values for a Support Vector Machine

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PATENTS PURCHASE FROM DUPONT

Australia	54209/90	4/5/1990	634226	6/11/1993	4/5/2010	Batch Process control Using Expert Systems
Belgium	91913785.1	7/25/1991	495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
Belgium	91913862.8	7/25/1991	495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
CA	578704	9/28/1988	1,309,182	10/20/1992	10/20/2009	Expert System with Natural Language Rule Updating
CA	578705	9/28/1988	1,310,424	11/17/1992	11/17/2009	Expert System with Three Classes of Rules
CA	2,066,458	7/25/1991	2,066,458	N/A	4/22/2003	Computer Neural Network Process Measurement and Control System and Method
CA	2,066,278	7/25/1991	2,066,278	2/26/2002		Computer Neural Network Supervisory Process Control System and Method
CA	2,066,237	7/25/1991	2,066,237	10/1/2002	7/25/2011	Computer Neural Network Regulatory Process Control System and Method
CA	2,066,279	7/25/1991	2,066,279	1/13/2004	07/25/011	On-Line Process Control Neural Network Using Data Pointers
CA	2,066,159	7/25/1991	N/A	2,066,159	4/30/2003	On-Line Training Neural Network for Process Control
CA	2,066,739	7/25/1991	2,066,739	2/26/2002	7/25/2011	Neural Network/Expert System Process Control System and Method
DE	88909446.2	9/30/1988	3856379.7	11/17/1999	9/30/2008	Expert System with Natural Language Rule Updating
DE	91913785.1	7/25/1991	69130253.7	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
DE	69032038.8	4/5/1990	69032038.8	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
DE	69128071.1	7/25/1991	69128071.1	10/29/1997	7/25/2011	Computer Neural Network Supervisory Process Control System and Method
DE	69130603.6	7/25/1991	69130603.6	12/9/1998	7/25/2011	Computer Neural Network Regulatory Process Control System and Method

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PATENTS PURCHASE FROM DUPONT

Country	App. No.	Filing Date	Patent No.	Issue Date	Expiration	Title
DE	9191583.3	7/25/1991	69128237.4	11/19/1997	7/25/2011	On-Line Process Control Neural Network Using Data Pointers
DE	91913862.8	7/25/1991	69125809	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
DE	9191719.4	7/25/1991	69128074.6	10/29/1997	7/25/2011	Neural Network/Expert System Process Control System and Method
FR	88909446.2	9/30/1988	0335957	11/17/1999	9/30/2008	Expert System with Natural Language Rule Updating
FR	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
FR	90906564.1	4/5/1990	90906564.1	2/11/1998	4/5/2010	Batch Process control Using Expert Systems
FR	91915577.0	7/25/1991	0495080	10/29/1997	7/25/2011	Computer Neural Network Supervisory Process Control System and Method
FR	91917638.8	7/25/1991	0495092	12/9/1998	7/25/2011	Computer Neural Network Regulatory Process Control System and Method
FR	91915833.7	7/25/1991	0495085	11/19/1997	7/25/2011	On-Line Process Control Neural Network Using Data Pointers
FR	91913662.8	7/25/1991	0495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
FR	91917194.2	7/25/1991	0498880	10/29/1997	7/25/2011	Neural Network/Expert System Process Control System and Method
GB	88909446.2	9/30/1988	0335957	11/17/1999	9/30/2008	Expert System with Natural Language Rule Updating
GB	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
GB	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process control Using Expert Systems
GB	91915577.0	7/25/1991	0495080	10/29/1997	7/25/2011	Computer Neural Network Supervisory Process Control System and Method

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PATENTS PURCHASE FROM DUPONT

Country	Application No.	Filing Date	Publication No.	Issue Date	Expiration Date	Title
GB	91917638.8	7/25/1991	0495092	12/9/1998	7/25/2011	Computer Neural Network Regulatory Process Control System and Method
GB	91915833.7	7/25/1991	0495085	11/19/1997	7/25/2011	On-Line Process Control Neural Network Using Data Pointers
GB	91913862.8	7/25/1991	0495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
GB	91917194.2	7/25/1991	0498880	10/29/1997	7/25/2011	Neural Network/Expert System Process Control System and Method
IT	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
GB	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
GB	91917639.8	7/25/1991	0495092	12/9/1998	7/25/2011	Computer Neural Network Regulatory Process Control System and Method
IT	91913862.8	7/25/1991	0495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
IT	91917194.2	7/25/1991	0498880	10/29/1997	7/25/2011	Neural Network/Expert System Process Control System and Method
IT	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
IT	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
Netherlands	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
Netherlands	91913862.8	7/25/1991	0495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
LUX	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
Netherlands	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
PCT/EPO	88909446.2	9/30/1988	0355957	11/17/1999	9/30/2008	Expert System with Natural Language Rule Updating
PCT/EPO	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PATENTS PURCHASE FROM DUPONT

PCT/EPO	91913785.1	7/25/1991	0495044	9/23/1998	7/25/2011	Computer Neural Network Process Measurement and Control System and Method
PCT/EPO	91913862.8	7/25/1991	0495046	4/23/1997	7/25/2011	On-Line Training Neural Network for Process Control
PCT/EPO	91915577.0	7/25/1991	0495080	10/29/1997	7/25/2011	Computer Neural Network Supervisory Process Control System and Method
PCT/EPO	91915833.7	7/25/1991	0495085	11/19/1997	7/25/2011	On-Line Process Control Neural Network Using Data Pointers
PCT/EPO	91917638.8	7/25/1991	0495092	12/9/1998	7/25/2011	Computer Neural Network Regulatory Process Control System and Method
PCT/EPO	91917194.2	7/25/1991	0498880	10/29/1997	7/25/2011	Neural Network/Expert System Process Control System and Method
Switzerland	90906564.1	4/5/1990	0423287	2/11/1998	4/5/2010	Batch Process Control Using Expert Systems
US	07/103,050	9/30/1987	4,920,499	4/24/1990	9/30/2007	Expert System with Natural-Language Rule Updating
US	07/562,268	8/3/1990	5,142,612	8/25/1992	8/3/2010	Computer Neural Network Supervisory Process Control System and Method
US	07/562,388	8/3/1990	5,167,009	11/24/1992	8/3/2010	On-Line Process Control Neural Network Using Data Pointers
US	07/562,327	8/3/1990	5,121,467	6/9/1992	8/3/2010	Neural Network/Expert System Process Control System and Method
US	07/562,462	8/3/1990	5,197,114	3/23/1993	8/3/2010	Computer Neural Network Regulatory Process Control System and Method
US	07/563,092	8/3/1990	5,212,765	5/18/1993	8/3/2010	On-Line Training Neural Network System for Process Control
US	07/916,684	7/22/1992	5,224,203	6/29/1993	7/22/2012	On-Line Process Control Neural Network Using Data Pointers
US	08/042,500	4/2/1993	5,408,586	4/18/1995	8/3/2010	Historical Database Training Method for Neural Networks

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PATENT STATUS CHART
PATENTS PURCHASE FROM DUPONT

US	08/422,955	4/7/1995	5,640,493	6/17/1997	8/3/2010	Historical Database Training Method for Neural Networks
US	08/870,659	6/6/1997	5,826,249	10/20/1998	8/3/2010	Historical Database Training Method for Neural Networks
US	07/563,095	8/3/1990	5,282,261	1/25/1994	1/25/2011	Computer Neural Network Process Measurement and Control
US	07/102,832	9/30/1987	4,884,217	11/28/1989	9/30/2007	Expert System with Three Classes of Rules
US	07/103,118	9/30/1987	4,907,167	3/6/1990	9/30/2007	Process Control System with Action Logging
US	07/103,124	9/30/1987	4,910,691	3/20/1990	9/30/2007	Process Control System with Multiple Module Sequence Options
US	07/103,047	9/30/1987	4,965,742	10/23/1990	10/23/2007	Process Control System with On-Line Reconfigurable Modules
US	07/103,014	9/30/1987	5,006,992	4/9/1991	4/9/2008	Process Control System with Reconfigurable Expert Rules and Control Modules
US	07/333,536	4/5/1989	5,058,043	3/20/1990	4/5/2009	Batch Process Control Using Expert Systems

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PENDING PATENTS APPLICATIONS

FILING OFFICE	APPLICATION NO	DATE FILED	ASSIGNMENT	TITLE
China	US03/39012	06/09/05	01478770045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
EPO	40015665.3	01/26/04		Modeling In-Situ Reservoirs With Derivative Constraints
EPO	04 001 568.7	01/26/04		Parameterizing a Steady-State Model Using Derivative Constraints
EPO	US03/39012	06/09/05	01478770045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
India	US03/39012	06/09/05	01478770045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
PCT	PCT/US03/39012	12/22/03		A System and Method of Adaptive Control of Processes with Varying Dynamics
PCT	US01/02644	01/26/01	WO 01/55890 A2	System and Method for Configuring and Electronic Commerce Site Using an Optimization Process
PCT	US02/27163	08/26/02		System and Method for Real-Time Economic Optimization
PCT	US03/39012	12/09/03	01478770045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
US	09/175,317	10/28/1998	N/A	On-Line Training Neural Network for Process Control
US	09/662,243	9/14/2000	01141/0321 01/08/01	Method and Apparatus for Training A System Model With Gain Constraints
US	09/818,218	03/27/01	011681 / 0710	Electronic Marketplace System and Method Using Optimization Techniques
US	09/946,809	09/05/01	012466/0138	System and Method for On-Line Training of a Support Vector Machine
US	09/997,627	11/28/01	012344/0919 11/28/01	System and Method for Historical Database Training of Support Vector Machines
US	10/041,157	01/08/02		Residual Activation Neural Network
US	10/051,574	01/18/02	012555/0360 01/18/02	System and Method for Pre-Processing Input Data to a Support Vector Machine
US	10/053,527	01/18/02	013363/0484 10/07/02	E-Commerce System Using Modeling of Inducements to Customers
US	10/082,783	02/25/02		A Method for Optimizing a Plant with Multiple Inputs
US	10/225,093	08/21/02	013478/0434 11/04/02	System and Method for Real-Time Economic Optimization

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PENDING PATENTS APPLICATIONS

Country	App. No.	Date		Title
China	US03/39012	06/09/05	014787/0045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
US	10/350,830	01/24/03		Parameterizing a Steady-State Model Using Derivative Constraints
US	10/350,838	01/24/03		Modeling In-Situ Reservoirs With Derivative Constraints
US	10/441,936	05/20/03	011450/0260 09/02/03	Dynamic Cost Accounting
US	10/614,335	07/07/03		Method and Apparatus for Operating a Neural Network with Missing and/or Incomplete Data
US	10/669,028	09/23/03	015547/0358 07/07/04 (McGarel)	Kiln Thermal and Combustion Control
US	10/730,835	12/09/03	014787/0045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
US	10/731,596	12/09/03	014786/0918 12/09/03	System and Method of Applying Adaptive Control to the Control of Particle Accelerators with Varying Dynamics Behavioral Characteristics Using a Nonlinear Model Predictive Control Technology
US	10/755,719	01/12/04		Method and Apparatus for Maximizing Power Usage in a Power Plant
US	10/827,977	04/20/04		Bayesian Neural Network for Optimization
US	10/842,157	2/19/2004	015321/0226 05/10/04	Parametric Universal Nonlinear Dynamics Approximator and Use
US	10/843,160	05/11/04		Kiln Thermal and Combustion Control
US	10/847,211	05/17/04		Method and Apparatus for Modeling Dynamic and Steady State Process for Prediction, Control and Optimization
US	10/983,874	11/08/04	014450/0260	Dynamic Cost Accounting
US	11/028,426	01/03/05	015909/0836 03/31/05	Kiln/Cooler Control and Upset Recovery Using a Combination of Model Predictive Control in Series with Forward Chaining
US	11/129,062	05/13/905	11/129,062	Neural Network Using Spatially Dependent Data for Controlling a Web-Based Process

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PAVILION TECHNOLOGIES, INC.
PATENT STATUS CHART
PENDING PATENTS APPLICATIONS

China	US03/39012	06/09/05	014787/0045 12/09/03	A System and Method of Adaptive Control of Processes with Varying Dynamics
US	60/314,749	08/24/01		System and Method for Real-Time Economic Optimization
US	60/382,296	05/23/02		Dynamic Cost Accounting
US	60/382,301	05/23/02		Dynamic Cost Accounting
US				Method and Apparatus for Training A System Model With Gain Constraints
US				Kiln Thermal and Combustion Control

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EXHIBIT C

Trademarks

Description	Registration/Application Number	Registration/Application Date

Filing Office	Class	Mark	Application No.	Filing Date	Registration No	Issue Date
US	00009	BlueVue™	78/514,888	11/10/04		
Argentina	00009	BlueVue™	10504970			
Brazil	00009	BlueVue™	10504971			
Madrid	00009	BlueVue™	A0001440	05/09/05		
US	00009 00042	Pavilion Technologies	78/413,576	05/05/04		
US	00009	PAVILION8	78/506,933	10/27/04		
Argentina	00009	PAVILION8	2586456	04/28/05		
India	00009	PAVILION8	1365654	06/21/05		
US	00042	Predictable Results. Guaranteed™	78/421640	05/19/04		
US	00009	Software CEM ™	76/542,937 76/546,567 deleted as duplicate	07/11/03	N/A	N/A
Madrid	00009	Software CEM ™ (Madrid)		07/11/03	N/A	N/A
US	00009	ValueFirst ™	78/421,643	07/11/03	N/A	N/A

Filing Office	Class	Mark	Application No.	Filing Date	Registration No	Issue Date
00054	00009	BOOST ®	75/764,234	36371	2,436,457	03/20/01
US	00009	Envisage ®	76/467,420	37575	2,863,416	07/13/04
US	00009	INSIGHTS ®	75/556,325	36059	2,386,329	09/12/00
US	00009	PAVILION ®	75/232,582	35458	2,204,891	11/24/98
US	00009	PAVILION DATA INTERFACE ®	75/232,989	35458	2,212,218	12/22/98
US	00009	PROCESS INSIGHTS ®	75/714,999	34925	2,039,892	02/25/97
US	00009	PROCESS PERFECTER ®	75/244,382	35480	2,146,200	03/24/98
US	00009	Property Predictor®	78/216,449	37671		
US	00009	Protégé®	76/542,934 76/546,564 deleted as duplicate	07/11/03	2,957,763	05/31/05
US	00009	SOFT CEM ®	76/542,936 76/546,566 deleted as duplicate	37813	N/A	N/A
US	00009	SOFT SENSOR ®	74/487,767	34372	1,949,520	01/16/96
US	00009	VIRTUAL ONLINE ANALYZER ®	75/232,978	35458	2,273,132	08/24/99
US	00009	VOA ®	75/742,406	36343	2,412,060	12/12/00

11/2/2005

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EXHIBIT D

Mask Works

Description	Registration/Application Number	Registration/Application Date