

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7966003

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
INVENSYS SYSTEMS, INC.	12/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SCHNEIDER ELECTRIC SOFTWARE, LLC
<b>Street Address:</b>	26561 RANCHO PARKWAY SOUTH
<b>City:</b>	LAKE FOREST
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92630
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17104416
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)665-3601
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	160095-029006/US
<b>NAME OF SUBMITTER:</b>	KATIE NEWGENT
<b>SIGNATURE:</b>	/Katie Newgent/
<b>DATE SIGNED:</b>	05/22/2023
<b>Total Attachments: 13</b>	
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## CONFIRMATORY PATENT ASSIGNMENT

This CONFIRMATORY PATENT ASSIGNMENT (*Assignment*) is effective as of December 31, 2014 (the *Effective Date*), by and between Invensys Systems, Inc., a Massachusetts corporation with a business address of 38 Neponset Avenue, Foxboro, Massachusetts 02035 (*Assignor*) and Schneider Electric Software, LLC, a Delaware limited liability company with a business address of 26561 Rancho Parkway South, Lake Forest, CA 92630 (*Assignee*).

### RECITALS:

WHEREAS, Assignor is owner of the patents and patent applications identified on Schedule A to this Assignment (collectively, the *Patents*);

WHEREAS, pursuant to that certain Global Solution Industry Software Business Contribution Agreement dated December 31, 2014 by and between Assignor and Assignee (the *Contribution Agreement*), Assignor assigned the Intellectual Property, including the Patents, to Assignee.

NOW, THEREFORE, in consideration of the promises and covenants set forth herein and in the Purchase Agreement and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Assignment. Assignor contributed, transferred, conveyed and assigned to Assignee, among other assets, all of Assignor's right, title, and interest in and to the Patents, including all divisionals, continuations, continuations-in-part, provisionals, reissues, renewals, extensions, reexaminations or interferences of any of the Patents, including in each case the right to sue for all past, present and future infringement thereof and to settle and retain proceeds from any such actions.
2. Cooperation. This Assignment has been executed and delivered by Assignor for the purpose of recording the assignment herein with the appropriate government entity. Assignor agrees to execute and deliver to Assignee, at Assignee's sole cost and expense, such further assignments and related documents with respect to the Patents, as Assignee shall reasonably request to vest the title to the Patents in the name of the Assignee.
3. General Provisions. Capitalized terms used herein but not defined herein shall have the meanings set forth in the Contribution Agreement. This Assignment along with its Schedule, together with the Contribution Agreement, constitute the entire understanding and agreement of the parties hereto with respect to the subject matter hereof and supersede all prior and contemporaneous agreements or understandings, inducements or conditions, express or implied, written or oral, between and among the parties with respect hereto. In the event of any conflict between the terms of this Assignment and the terms of the Contribution Agreement, the terms of the Contribution Agreement shall control. This Assignment may not be supplemented, altered, or modified in any manner except in writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Assignment shall not waive any of its rights under such terms or provisions.

4. Governing Law. This Assignment shall be governed by, and construed in accordance with, the Laws of the State of New York, without regard to any conflict of laws provisions thereof that would result in the application of the laws of another jurisdiction.

5. Counterparts. This Assignment may be executed in counterparts, each of which will be an original as regards any party whose signature appears thereon and both of which together will constitute one and the same instrument.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be duly executed.

INVENSYS SYSTEMS, INC.

By: Nicole Linehan  
Name: Nicole Linehan  
Title: Associate General Counsel

SCHNEIDER ELECTRIC SOFTWARE, LLC

By: Nicole Linehan  
Name: Nicole Linehan  
Title: Associate General Counsel

**Commonwealth of Massachusetts**

County of Norfolk

On this 21<sup>st</sup> day of December, 2016, before me, the undersigned notary public, personally appeared Nicole L. Linehan, proved to me through satisfactory evidence of identification, which was her passport, to be the person whose name is signed on the attached document in my presence.

Neil D. Higgins  
Neil D. Higgins, Notary Public  
Notary Expiration: February 2, 2018



**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Interactive Process Modeling System	US	09193434	17-Nov-98	6,442,512
Process Model Generation Independent of Application Mode	US	09195420	17-Nov-98	6,442,515
Method and Systems for a Graphical Real Time Flow Task Scheduler	US	09193763	17-Nov-98	6,323,882
Object-Oriented Tag Browser	US	09240043	29-Jan-99	6,198,480
Method and System for Associating Parameters of Containers and Contained Objects	US	09241938	1-Feb-99	6,810,522
Method and System for Efficient Packet Data Transport	US	09273368	22-Mar-99	6,182,252
Distributing and Billing Software According to Customer Use of Program Modules	US	09418943	15-Oct-99	7,865,442
Method And System For Remote Control Of A Local System	US	09430464	29-Oct-99	6,675,193
A Method And System For Administering A Concurrent User Licensing Agreement On A	US	09954509	14-Sep-01	7,647,407
A Method And System For Animating Graphical User Interface Elements Via A	US	09954425	14-Sep-01	7,728,838
Mag-A Method And System For Remote Configuration Of Process Data Access Servers	US	09954422	14-Sep-01	7,779,089
Method And System For Performing Remote Diagnostics On A Process Data Access Server	US	09954423	14-Sep-01	8,095,632

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Mag-An Industrial Process Control Data Access Server Supporting Multiple Client Data	US	09954508	14-Sep-01	7,644,120
An Extensible Manufacturing/Process Control Information Portal Server	US	09955473	17-Sep-01	7,925,979
Method And System For A Graphical Real Time Flow Task Scheduler	US	09037786	22-Oct-01	6,941,519
Remote Fieldbus Messaging Via Internet Applet/Servlet Pairs	US	09993536	14-Nov-01	7,054,922
Method and System For Collecting And Retrieving Time-Series, Real-Time and Non-Real Time Data	US	10178002	21-Jun-02	6,651,030
Supervisory Process Control and Manufacturing Information System	US	10179668	24-Jun-02	7,650,607
Installing Supervisory Process Control And Manufacturing Software From A Remote Location	US	10179455	24-Jun-02	7,496,91182
Remotely monitoring/diagnosing distributed components of a supervisory process	US	10179456	24-Jun-02	6,813,587
Internationalization of Objects Executable In A Supervisory Process Control and	US	10179097	24-Jun-02	7,730,498
Process Control Script Development And Execution Facility Supporting Multiple User-	US	10179624	24-Jun-02	7,802,238
Arch-Supervisory Process Control and Manufacturing Information System	US	10179763	24-Jun-02	7,707,550
Customizable System For Creating Supervisory Process Control and Manufacturing	US	10179133	24-Jun-02	7,086,009

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Component Object Model Communication Method For Process, Factory-Floor, Environmental,	US	10414480	15-Apr-03	7,778,717
Methods And Apparatus For Process, Factory-Floor, Environmental, Computer Aided	US	10414249	15-Apr-03	6,975,914
Workflow Control Configurator For Use With Process, Factory-Floor, Environmental,	US	10414273	15-Apr-03	7,242,991
Method And System For Remote Control Of A Local System	US	10696386	29-Oct-03	7,330,878
System And Method For Managing Industrial Process Control Data Streams Over Network	US	10938209	10-Sep-04	8,055,787
Transparent Relocation of an Active Redundant Engine in Supervisory Process Control Data	US	10944476	16-Sep-04	7,480,725
Runtime Failure Management of Redundantly Deployed Hosts of a Supervisory	US	10943351	16-Sep-04	7,818,615
Flow Assurance Monitoring	US	10964825	15-Oct-04	7,171,316
Remotely Monitoring/Diagnosing Distributed Components of a Supervisory Process	US	10974361	27-Oct-04	7,120,558
System And Method For Leak Detection Based Upon Analysis Of Flow Vectors	US	11089522	23-Mar-05	7,418,354
System And Method For Efficient Computation Of Simulated Thermodynamic Property	US	11109840	19-Apr-05	7,676,352
System And Method For Developing Animated Visualization Interfaces	US	11130728	17-May-05	8,516,383

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Method And System For Time-Weighted History Cache Management	US	11189323	26-Jul-05	7,519,776B2
Method And System For Time-Weighted History Block Management	US	11189651	26-Jul-05	7,574,569
System And Method For Applying Deadband Filtering To Time Series Data Streams To Be	US	11189353	26-Jul-05	7,496,590B2
Multiple Model Development Using Subflowsheet Functionality	US	11393502	30-Mar-06	7,463,940
Validating Information Within Production Event Messages for Recording Non-Trending Production	US	11412158	25-Apr-06	8,321,045
Caching Identifications and Associated Production Database GUIDs for Expedited	US	11412063	25-Apr-06	7,840,293B2
Supporting Both Asynchronous and Synchronous Data Transfers Between	US	11411438	25-Apr-06	8,117,300
Supporting Extensions to Production Event Message Schemes Via Production Database	US	11411439	25-Apr-06	7,895,315
Remotely Monitoring/Diagnosing Distributed Components Of A Supervisory Process	US	11439866	24-May-06	7,831,410
Presenting Continuous Time-Stamped Time-Series Data Values for Observed Supervisory	US	11474048	23-Jun-06	7,676,288
Selectively Presenting Timestamped Time-Series Data Values For Retrieved Supervisory Control and	US	11460176	26-Jul-06	7,877,233
Customizable System For Creating Supervisory Process Control and Manufacturing	US	11460902	28-Jul-06	7,620,907B2

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Extensible Automation Development Environment	US	11650024	5-Jan-07	7,624,371B2
Flow Assurance Monitoring	US	11625144	19-Jan-07	7,502,695B2
Method And System For Remote Control Of A Local System	US	11964632	26-Dec-07	7,917,595
Flow Assurance Monitoring	US	12371168	13-Feb-09	7,941,285
System and Method for Autogenerating Simulations for Process Control System Checkout	US	12372731	17-Feb-09	8,332,193
System for Maintaining Unified Access To SCADA and Manufacturing Execution System (MES)	US	12435380	4-May-09	8,239,055B2
PSEUDO DENSITY ROOTS	US	12547145	25-Aug-09	8,165,860
THERMODYNAMIC PHASE EQUILIBRIUM ANALYSIS BASED ON A REDUCED COMPOSITION DOMAIN	US	12560134	15-Sep-09	8,364,316
Retrieving and Navigating Through Manufacturing Data from Relational and Time-Series Systems by	US	12573843	5-Oct-09	8,364,300
Method and System for Associating Parameters of Containers and Contained Objects	US	12608897	29-Oct-09	8,020,173
A Method And System For Administering A Concurrent User Licensing Agreement On A	US	12685476	11-Jan-10	8,015,299
Supervisory Process Control and Manufacturing Information System	US	12689962	19-Jan-10	8,230,443

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<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
System And Method For Efficient Computation Of Simulated Thermodynamic Property	US	12698063	1-Feb-10	7,987,082
Supervisory Process Control And Manufacturing Information System	US	12767538	26-Apr-10	8,458,659
GRAPHICALLY DISPLAYING MANUFACTURING EXECUTION SYSTEM INFORMATION DATA	US	12780127	14-May-10	8,347,227
Replicating Time-Series Data Values For Retrieved Supervisory Control and Manufacturing Parameter	US	12781535	17-May-10	8,676,756
A Method And System For Animating Graphical User Interface Elements Via A	US	12791583	1-Jun-10	7,973,794
INTERNATIONALIZATION OF OBJECTS EXECUTABLE IN A SUPERVISORY PROCESS CONTROL AND	US	12791561	1-Jun-10	8,499,307
Process Control Script Development And Execution Facility Supporting Multiple User-Next Generation	US	12886161	20-Sep-10	8,464,227
Simulation Including Predictive Functionality	US	12906070	15-Oct-10	
System and method for Integrated Workflow Scaling	US	12905866	15-Oct-10	8,745,634
System and Method for Portal-Based Collaborative Process Management and	US	13037221	28-Feb-11	8,667,017
Method And System For Remote Control Of A Local System	US	13073867	28-Mar-11	8,285,807
Dynamic Simulation of Fluid Filled	US	13081496	7-Apr-11	8,615,387

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Simulated Fermentation Process	US	13153393	4-Jun-11	8,818,562
System for Maintaining Unified Access To SCADA and Manufacturing Execution System (MES)	US	13462125	2-May-12	8,744,609
Leak Detection in Fluid Conducting Conduit	US	13584503	13-Aug-12	9,037,422
THERMODYNAMIC PHASE EQUILIBRIUM ANALYSIS BASED ON A REDUCED COMPOSITION DOMAIN	US	13623203	20-Sep-12	9,026,413
Intelligent Memory Management System And Method For Visualization of Information	US	13665554	31-Oct-12	9,318,078
System and Method for Autogenerating Simulations for Process Control System Checkout	US	13683585	21-Nov-12	8,977,527
A Security Architecture For A Process Control Platform Executing Applications	US	13725267	21-Dec-12	8,707,399
INTERNATIONALIZATION OF OBJECTS EXECUTABLE IN A SUPERVISORY PROCESS CONTROL AND	US	13853708	29-Mar-13	9,268,581
Bridging Human Machine Interface Technologies In A Process Automation And Information	US	13853705	29-Mar-13	
System for Maintaining Unified Access To SCADA and Manufacturing Execution System (MES)	US	13853752	29-Mar-13	8,639,376
Arch-Supervisory Process Control and Manufacturing Information System	US	13901979	24-May-13	8,898,622
ITERATIVE SYSTEM AND PROCESS WITH NON-LINEAR CORRECTION FACTORS	US	13968119	15-Aug-13	

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Dynamic Simulation of Fluid Filled	US	14067625	30-Oct-13	9,075,942
A Touch-Gesture For The Connection of Streams in a Flowsheet Simulator or more generally "A Touch-	US	14193949	28-Feb-14	
Model driven approach to represent production lines in manufacturing execution systems	US	14194151	28-Feb-14	
HUMAN-MACHINE INTERFACE (HMI) SYSTEM HAVING ELEMENTS WITH ALARM BORDER	US	14198023	5-Mar-14	
HUMAN-MACHINE INTERFACE (HMI) SYSTEM HAVING ELEMENTS WITH AGGREGATED ALARMS	US	14198084	5-Mar-14	
HUMAN-MACHINE INTERFACE (HMI) SYSTEM HAVING ELEMENTS STYLES WITH CENTRALLY	US	14198140	5-Mar-14	
HUMAN-MACHINE INTERFACE (HMI) SYSTEM HAVING A SYMBOL WIZARD CREATOR	US	14198188	5-Mar-14	
HUMAN-MACHINE INTERFACE (HMI) SYSTEM HAVING PROCESS TREND VISUALIZATION (TREND	US	14198257	5-Mar-14	
A Security Architecture For A Process Control Platform Executing Applications	US	14200194	7-Mar-14	8,984,594
Semantic Zooming	US	14231241	31-Mar-14	
Unified Mathematical Model	US	14231274	31-Mar-14	
Model Decomposing For Optimizing	US	14231305	31-Mar-14	

**SCHEDULE A**

<b>TITLE</b>	<b>COUNTRY</b>	<b>SERIAL NUMBER</b>	<b>DATE FILED</b>	<b>PATENT NUMBER</b>
Entity Type Template In Process Simulation Software	US	14231321	31-Mar-14	
Shared Repository of Simulation Models	US	14231341	31-Mar-14	
Interactive Feedback for Variable Equations	US	14231363	31-Mar-14	
System and method for Integrated Workflow Scaling	US	14243101	2-Apr-14	
Simulated Fermentation Process	US	14296859	5-Jun-14	
Recipe Management System	US	14513815	14-Oct-14	
PARAMETER DOWNLOAD VERIFICATION IN INDUSTRIAL CONTROL SYSTEM	US	14513826	14-Oct-14	
RECIPE MANAGEMENT SYSTEM WITH INTEROPERABLE MODELS (PID #1357)	US	14513898	14-Oct-14	
ADAPTIVE FILTERING IN INDUSTRIAL CONTROL SYSTEM (PID #1357)	US	14513889	14-Oct-14	
Arch-Supervisory Process Control and Manufacturing Information System	US	14520073	21-Oct-14	
Faster Flowsheet Design by Predictive Connectivity	US	14525964	28-Oct-14	
Graphic Performance Measurement System	US	14568715	12-Dec-14	

SCHEDULE A

TITLE	COUNTRY	SERIAL NUMBER	DATE FILED	PATENT NUMBER
Data Query Interface in an Event Historian	US	14569214	12-Dec-14	
Data Dictionary in an Event Historian	US	14569220	12-Dec-14	
Block Data Storage in an Event Historian	US	14569228	12-Dec-14	
Event Data Merge in an Event Historian	US	14569238	12-Dec-14	
Variable Equivalency on Connection	US	14570873	15-Dec-14	