Number of documents: 10

WO200775099	Automation network, access service proxy for automation network method for transmitting operating between programmable controller remote computer SIEMENS
WO200794697	Security key with instructions SIEMENS
WO2007117172	Automation network, remote access server for an automation network and a method for transmitting operating data between an automation system and a remote computer SIEMENS
WO200773229	Backplane with processor SIEMENS
WO200761330	Method and apparatus for reducing server workload in an automation system SIEMENS
WO200755613	Apparatus and method for communicating with a component of an automation system SIEMENS
WO200775097	Processing unit and method for configuring a networked automation system SIEMENS
WO200775105	Automation network, automation device and electronic component, particularly a field device for an automation network, and a method for the transmission of operating data of an automation device between an automation system and a remote computer SIEMENS
WO200773228	Backplane for a programmable logic controller SIEMENS
WO2007105979	Handling a request in an automation system SIEMENS

Automation network, access service proxy for automation network method for transmitting operating between programmable controller remote computer

WO200775099

- **Patent Assignee**
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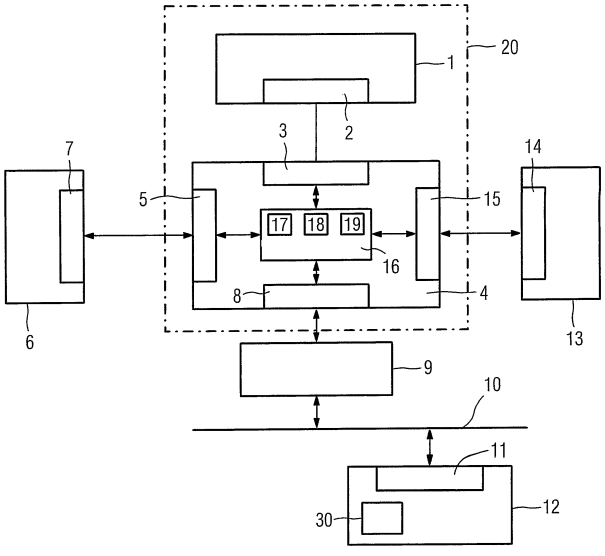
- **International Patent Classification**
  G05B-019/05 G06F-012/00 G06F-015/16
- **US Patent Classification**
  PCLO=709248000 PCLX=709250000
- **CPC Code**
  G05B-019/05/4; G05B-2219/15038; G05B-2219/31205; G05B-2219/31422; G05B-2219/32126; G05B-2219/34038
- **Publication Information**
  WO2007075099 A1 2007-07-05 [WO200775099]
- **Priority Details**
  2005WO-RU00673 2005-12-27

- **Fampat family**

WO2007075099	A1	2007-07-05	[WO200775099]
EP1969434	A1	2008-09-17	[EP1969434]
US2009182440	A1	2009-07-16	[US20090182440]
EP1969434	B1	2010-09-29	[EP1969434]
US7827316	B2	2010-11-02	[US7827316]
DE602005023915	D1	2010-11-11	[DE602005023915]

- **Abstract:**
  (WO200775099)
  The invention relates to an automation network, an access service proxy (4) for an automation network and a method for transmitting operating data between a programmable controller (1) and a remote computer (12), wherein the operating data of the programmable controller (1) can be transmitted via the Internet (10) or an intranet by means of the HTTP protocol and displayed and/or modified on the remote computer by an Internet browser (30). The access service proxy (4) here contains a server (8) for supplying the web pages containing the operating data of the programmable controller (1) to the Internet browser (30) of the remote computer (12), an interface (5), to which an engineering system (6) can be connected so that operating data of the programmable controller (1) can be transmitted using a communication mechanism of the automation field communication via the connection between access service proxy (4) and engineering system (6), and a synchronization unit (18) for updating the content of the web pages if the operating data is modified by the engineering system (6). This provides uniform access to the operating data of the programmable controller and consequently data consistency and security against unauthorized access.



Security key with instructions
WO200794697

- **Patent Assignee**
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  YAZEV MAXIM NIKOLAYEVICH
- **International Patent Classification**
  G05B-019/05 G06F-007/04 G06F-021/00 G06F-021/76
- **US Patent Classification**
  PCLO=726003000 PCLX=700002000 PCLX=700017000
  PCLX=709217000 PCLX=709218000 PCLX=709219000
  PCLX=709223000 PCLX=713182000 PCLX=713185000
  PCLX=713190000 PCLX=726001000 PCLX=726004000
- **CPC Code**
  G05B-019/05; G05B-2219/24163; G05B-2219/31161; G05B-2219/31195 G06F-021/76;

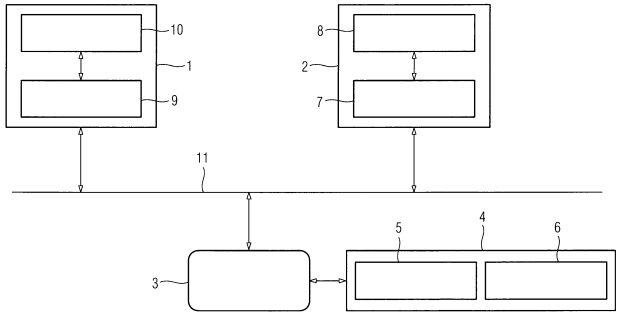
- **Publication Information**
  WO2007094697 A1 2007-08-23 [WO200794697]
- **Priority Details**
  2006WO-RU00054 2006-02-10

- **Fampat family**

WO2007094697	A1	2007-08-23	[WO200794697]
EP1982245	A1	2008-10-22	[EP1982245]
US2009125983	A1	2009-05-14	[US20090125983]
US8214881	B2	2012-07-03	[US8214881]
EP1982245	B1	2014-04-02	[EP1982245]

- **Abstract:**

(WO200794697)
The invention relates particularly to an automation system comprising at least one programmable logic controller (PLC) with integrated web server, user interface means, and security means. It is an object of the present invention to allow a complex and flexible presentation of data at the user interface means while reducing the communication load at the same time. For this purpose, the instructions for presentation of the data are stored within the security means.



Automation network, remote access server for an automation network and a method for transmitting operating data between an automation system and a remote computer

WO2007117172

- **Patent Assignee**
  SIEMENS
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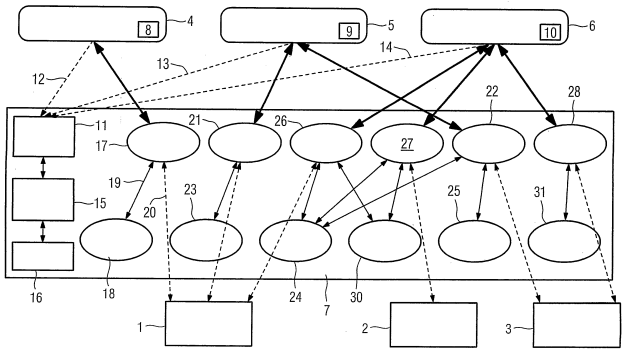
- **International Patent Classification**
  G05B-019/04 G05B-019/05 G06F-015/173
- **US Patent Classification**
  PCLO=709223000 PCLX=709224000 PCLX=709225000 PCLX=709226000
- **CPC Code**
  G05B-019/05/6; G05B-2219/13185; G05B-2219/15038; G05B-2219/24159; G05B-2219/31422; G05B-2219/32126

- **Publication Information**
  WO2007117172 A1 2007-10-18 [WO2007117172]
- **Priority Details**
  2006WO-RU00172 2006-04-07

- **Fampat family**

WO2007117172	A1	2007-10-18	[WO2007117172]
EP2005262	A1	2008-12-24	[EP2005262]
US2009319831	A1	2009-12-24	[US20090319831]
US7987254	B2	2011-07-26	[US7987254]
EP2005262	B1	2014-07-16	[EP2005262]
ES2496142	T3	2014-09-18	[ES2496142]

- **Abstract:**
  (WO2007117172)
  The invention relates to an automation network, a remote access server (7) for an automation network and a method for transmission of operating data between an automation system with one or more automation devices (1..3) and a remote computer (4 6) with the operating data of the automation device (1..3) being transmitted via the Internet or an intranet and displayed and/or changed on the remote computer (4 6) by an Internet browser (8 10). The remote access server (7) provides the operating data for the remote computer (4 6) and, for a session-oriented access, creates a software object (17, 21, 22, 26 28) as an image of the automation device (1 3) and, if changes are to be made to the operating data by the access, a software object (18, 23 25, 30, 31) for simulation of the automation device (1 3) and/or of the process to be controlled by the automation device, so that any changes can be checked for permissibility and/or validity before being forwarded to the automation device (1 3).



Backplane with processor
WO200773229

- **Patent Assignee**
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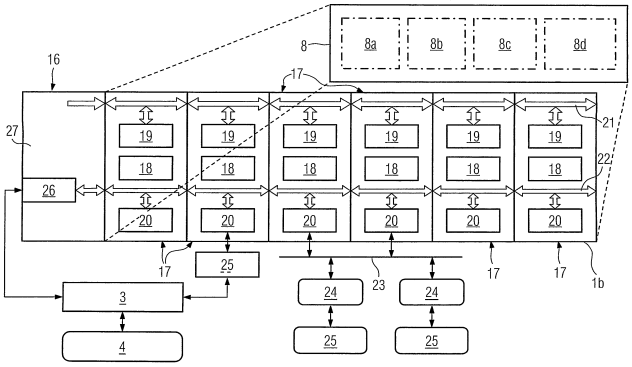
- **International Patent Classification**
  G06F-011/00 G06F-013/40
- **US Patent Classification**
  PCLO=714026000
- **CPC Code**
  G05B-019/05/4; G05B-2219/1109; G05B-2219/15119; G06F-013/40/9

- **Publication Information**
  WO2007073229 A1 2007-06-28 [WO200773229]
- **Priority Details**
  2005WO-RU00653 2005-12-20

- **Fampat family**

WO2007073229	A1	2007-06-28	[WO200773229]
EP1963980	A1	2008-09-03	[EP1963980]
US2009006684	A1	2009-01-01	[US20090006684]
US7987388	B2	2011-07-26	[US7987388]

- **Abstract:**
  (EP1963980)
  There is described a backplane with connections for connecting functional units. The backplane has hardware resources to handle software tasks, wherein the hardware resources are redundantly implemented or comprise essentially identical hardware modules, and wherein the hardware resources are organized in such that the software tasks are dynamically assigned to the hardware resources. (From US7987388 B2)



Method and apparatus for reducing server workload in an automation system WO200761330

- **Patent Assignee**
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  PIWINGER BORIS
- **International Patent Classification**
  G05B-019/042 G05B-019/05 G05B-019/418 G06F-011/00 G06F-013/00 G06F-015/16 H04L-029/00 H04L-029/08
- **US Patent Classification**
  PCLO=709201000 PCLX=709225000 PCLX=726011000
- **CPC Code**
  G05B-019/042; G05B-019/418/5; G05B-2219/31418; G05B-2219/31422; G05B-2219/32126; G05B-2219/34038; G05B-2219/34444; H04L-067/025; H04L-067/125

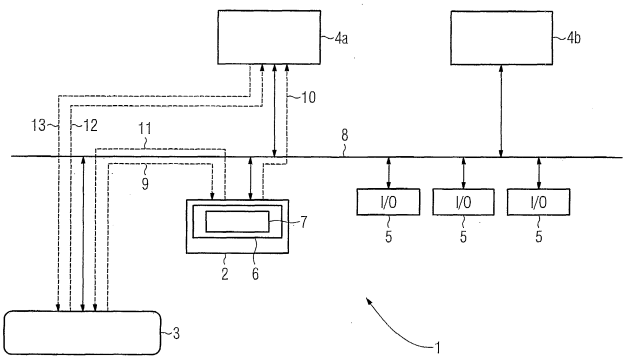
- **Publication Information**
  WO2007061330 A1 2007-05-31 [WO200761330]
- **Priority Details**
  2005WO-RU00604 2005-11-25

- **Fampat family**

WO2007061330	A1	2007-05-31	[WO200761330]
EP1952208	A1	2008-08-06	[EP1952208]
CN101317142	A	2008-12-03	[CN101317142]
JP2009517735	A	2009-04-30	[JP2009517735]
US2009307295	A1	2009-12-10	[US20090307295]
EP1952208	B1	2013-03-06	[EP1952208]

- **Abstract:**

(WO200761330)
The invention relates to an automation system for controlling and/or regulating a technical process, and also to a web access module which allows data transmission between an automation device (4a, 4b, 5) and a remote device (3) via the World Wide Web, and furthermore to a method for transmitting data between an automation device (4a, 4b, 5) and a remote device (3) via the World Wide Web. Measures are proposed which reduce the communication load between the remote device (3) and an automation device (4a, 4b, 5).



Apparatus and method for communicating with a component of an automation system

WO200755613

- **Patent Assignee**
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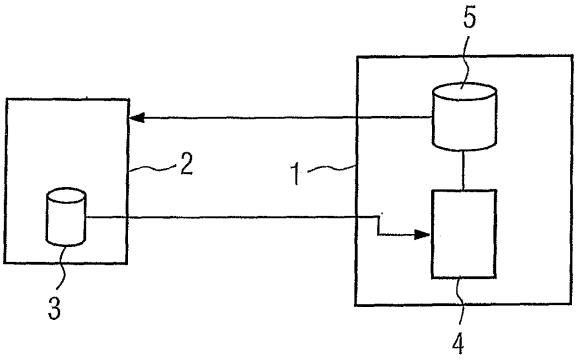
- **Inventor**
  KASSOU AHMAD-RAMEZ MADJED
  KRUCHININ MIKHAIL LEONIDOVICH

- **International Patent Classification**
  H04L-029/08
- **CPC Code**
  H04L-067/02; H04L-067/12; H04L-067/306
- **Publication Information**
  WO2007055613 A1 2007-05-18 [WO200755613]
- **Priority Details**
  2005WO-RU00560 2005-11-14

- **Fampat family**

WO2007055613	A1	2007-05-18	[WO200755613]
EP1949650	A1	2008-07-30	[EP1949650]
EP1949650	B1	2014-07-30	[EP1949650]

- **Abstract:**
  (WO200755613)
  The invention relates to an apparatus and a method for a component (1) of an automation system to communicate with a data processing device (2). To allow configuration for web-based communication between the component and the data processing device, it is proposed that - a first volume of data (3) be detected which is transmitted by the data processing device (2), - a program (4) be stored which is suitable for dynamically generating a second volume of data (5) which is created in a markup language and can be displayed by means of a web browser, - a second volume of data (5) be generated by executing the program (4) on the basis of the first volume of data (3), and - the second volume of data (5) be transmitted to the data processing device (2), the apparatus being part of the component (1) of the automation system.



Processing unit and method for configuring a networked automation system
WO200775097

- **Patent Assignee**
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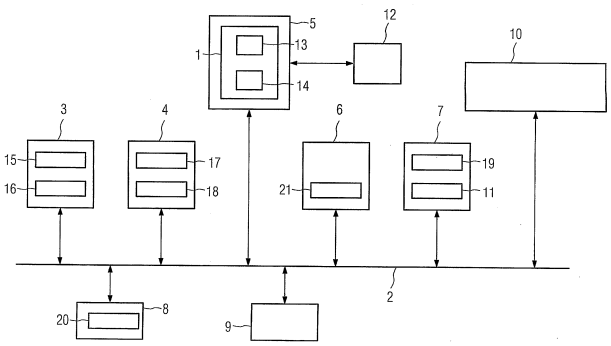
  PIWINGER BORIS
- **International Patent Classification**
  G05B-019/042 G05B-019/05
- **CPC Code**
  G05B-019/042/1; G05B-019/05/2; G05B-019/05/6; G05B-2219/1207; G05B-2219/13068; G05B-2219/15004; G05B-2219/15015; G05B-2219/25086

- **Publication Information**
  WO2007075097 A1 2007-07-05 [WO200775097]
- **Priority Details**
  2005WO-RU00667 2005-12-26

- **Fampat family**

WO2007075097	A1	2007-07-05	[WO200775097]
EP1966660	A1	2008-09-10	[EP1966660]

- **Abstract:**
  (EP1966660)
  The invention relates to a processing unit (1) and a method for configuring a networked automation system. To allow automated configuration of the automation system, it is proposed that the processing unit (1) has first mean for ascertaining components suitable for performing an automation task from components of the automation system which are networked to one another, and second means for allocating the automation task to at 15 least one of the suitable components . (From WO2007075097 A1)



Automation network, automation device and electronic component, particularly a field device for an automation network, and a method for the transmission of operating data of an automation device between an automation system and a remote computer

WO200775105

- **Patent Assignee**
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  MISYUCHENKO IGOR
  YAZEV MAXIM NIKOLAYEVICH
- **International Patent Classification**
  H04L-029/08
- **CPC Code**
  G05B-019/418/5; G05B-2219/31121; G05B-2219/31124; G05B-2219/31156; H04L-012/403; H04L-029/08/846; H04L-063/0281; H04L-063/10; H04L-067/125; H04L-067/2814; H04L-2012/4026

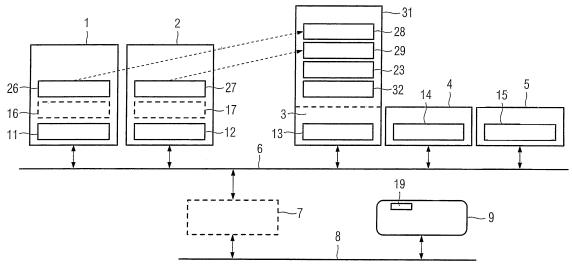
- **Publication Information**
  WO2007075105 A1 2007-07-05 [WO200775105]
- **Priority Details**
  2005WO-RU00681 2005-12-28

- **Fampat family**

WO2007075105	A1	2007-07-05	[WO200775105]
EP1969813	A1	2008-09-17	[EP1969813]

- **Abstract:**

(EP1969813)
The invention relates to an automation network with at least one automation device (1, 2) and at least a second electronic component (3) of an automation system, particularly a field device. A server expansion (31), in which a map (28, 29) of operating data (26, 27) of the automation device (1, 2) is stored, is provided in the second component (3) . Access requests from a remote computer for operating data of the automation device (1, 2) are diverted to its map (28, 29) in the server expansion (31). In this way, direct access to the automation device (1, 2) is avoided and security against attacks or sabotage is increased. The invention also relates to a suitable automation device, a field device and a method for data transmission. (From WO2007075105 A1)



Backplane for a programmable logic controller
WO200773228

- **Patent Assignee**
  SIEMENS
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  MISYUCHENKO IGOR
- **International Patent Classification**
  G06F-013/40 H04L-012/40 H05K-007/14
- **CPC Code**
  H05K-007/14/27; H05K-007/14/77; H05K-007/14/84

- **Publication Information**
  WO2007073228 A1 2007-06-28 [WO200773228]
- **Priority Details**
  2005WO-RU00652 2005-12-20

- **Fampat family**

WO2007073228	A1	2007-06-28	[WO200773228]
EP1963981	A1	2008-09-03	[EP1963981]
EP1963981	B1	2011-10-26	[EP1963981]

- **Abstract:**
  (WO200773228)
  The invention relates to a backplane for a programmable logic controller which is provided for controlling and regulating a technical process. The backplane (4) is equipped with a backplane bus (8) and features at least one slot (5a, 5b, ...) for accommodating a function module (6, 7) and switching means (12, 15, 16a, 16b, ...). The switching means (12, 15, 16a, 16b, ...) are switched by at least one connection signal such that the at least one slot (5a, 5b, ...) is connected to at least one signal line and/or at least one power line. Suitable measures are proposed for simple configuration and reconfiguration of the backplane and by which a simple activation of deactivation of module plugged into the slots is made possible.

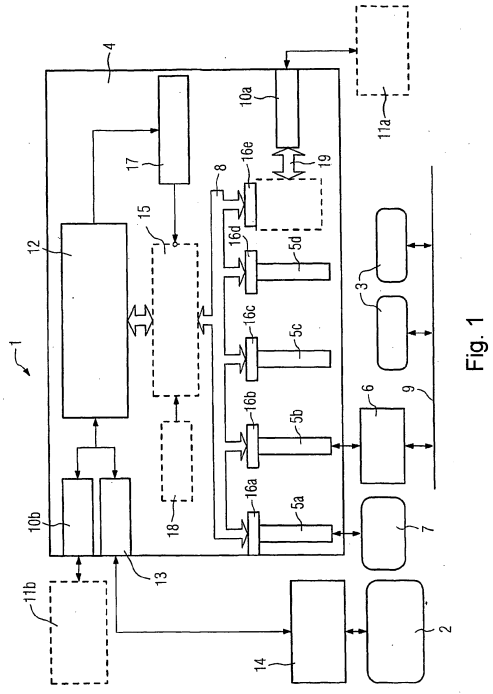

Fig. 1

Handling a request in an automation system
WO2007105979

- **Patent Assignee**
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- **International Patent Classification**
  G06F-009/46
- **CPC Code**
  G06F-009/48/62; G06F-009/54/7

- **Publication Information**
  WO2007105979 A1 2007-09-20 [WO2007105979]
- **Priority Details**
  2006WO-RU00114 2006-03-14

- **Fampat family**

WO2007105979	A1	2007-09-20	[WO2007105979]

- **Abstract:**
  (WO2007105979)
  The invention relates to a method for handling requests within an automation system and to an automation system having means for carrying out a method of this type. To allow efficient handling of requests sent to the automation system within the automation system, the following method steps are proposed: - at least one mobile software agent is generated using a first component of the automation system on the basis of a request which is sent to the automation system and received by the first component, - the software agent is being forwarded to first execution means, and - the request is at least partly handled by executing the software agent using the first execution means.