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ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI,
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

[Continued on next page]

(54) **Title:** DEVICE COMMISSIONING AND REPLACEMENT

	402	406	408	410	414
	Device Identification Code	Commissioning File	Unique Network Identifier	Network Address	Previous Network Identifier
404 →	DEVICE 220	033007.bin	CR-G1-KE-G1	192.168.0.003	
412 →	DEVICE 220	033007.bin	SP-G2-KH-12	192.168.0.003	CR-G1-KE-G1

FIG. 4

(57) **Abstract:** Systems and methods for associating commissioning files with components in a networked environment are provided. In one embodiment, a unique network identifier of a system component, such as a MAC address, and a network address, such as an IPv4 address may stored in an association file to link components on a network layout map to specific commissioning files. The network address may have a lease configured to infinity or to a power cycle of a component on the network. Further aspects relate to detecting if a system component has been replaced with another component. The detection may determine whether the new component has a unique network identifier not located in a association file. A user input may indicate whether the component is new or a replacement. If the new component is a replacement for another component, the unique network identifier of the first system component may be received and recorded.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L12/24 H04L29/12 G05B19/418
ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
H04L G05B
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, COMPENDEX, INSPEC, IBM-TDB, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2002/046263 A1 (SCHNEIDER AUTOMATION [FR]) 18 April 2002 (2002-04-18) paragraph [0019] - paragraph [0027]	1-3, 11-16,19 4,8-10 5-7,17, 18,20
Y A	----- WO 2005/114604 A2 (CISCO TECH IND [US]; DROMS RALPH [US]; SAVILLE ROLAND [US]; VOGEL GARY) 1 December 2005 (2005-12-01) page 24, line 33 - page 25, line 7 page 29, line 3 - line 30; figure 13	4 1-3,5-20
A	----- WO 03/079126 A1 (SCHNEIDER AUTOMATION) 25 September 2003 (2003-09-25) page 10, line 22 - line 29 ----- -/--	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 7 December 2011	Date of mailing of the international search report 16/12/2011
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Eraso Helguera, J
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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 2 117 169 A1 (HUAWEI TECH CO LTD [CN]) 11 November 2009 (2009-11-11) paragraph [0018] -----	8-10
A	US 2003/156579 A1 (CHO JUN-WOO [KR]) 21 August 2003 (2003-08-21) paragraph [0045] - paragraph [0047] -----	8-10

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/039814

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-4, 11-16, 19

Computer-implemented method determining if a first system component is positioned in accordance with a network layout map, association file server and computer-implemented method in a networked control system.

2. claims: 5-7, 17, 18, 20

Computer-implemented method and association file server detecting that a first system component has been replaced with a second system component.

3. claims: 8-10

Computer-implemented method receiving an indication that a commissioning file has changed.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2011/039814

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